Annual Report

# 1981

# Fire Losses in Canada

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Ottawa K1A 0M2

OTTAWA, 15 April 1983

TO: THE PRESIDENT AND MEMBERS, THE ASSOCIATION OF CANADIAN FIRE MARSHALS AND FIRE COMMISSIONERS

I am pleased to provide you with the 1981 Annual Report of Fire Losses in Canada. This publication represents the 60th edition which has been promulgated and is made available, for reference purposes, to you, fire chiefs and other interested authorities within your jurisdiction. All material for the report has originated from data supplied by the Association of Canadian Fire Marshals and Fire Commissioners and Statistics Canada.

As in the 1980 Annual Report we have again been able to mesh the manually compiled data with that supplied on computer tapes and tabulate the material into an integrated document. This was not achieved without some computer program conversion difficulties which resulted in delays, however, it is hoped to overcome the problems with added experience. In this regard an endeavour is being made to develop a standard reporting format that would facilitate the reporting procedure for all those with computer capabilities. Only data required to complete this Annual Report would be requested with any subsequent changes being made as required and as agreed to by your Association.

A significant change has been made in the layout of this 60th edition. Rather than continue using the integrated bilingual printing method, it was decided to implement the tumble format approach, which, as you know is the layout selected for the Fire Losses in Government of Canada Properties Report. It is hoped that this will make the report easier to peruse.

This report represents an overview of the fire loss statistics that have been submitted. I wish to underline the important need to seek, individually and collectively, additional means and avenues for gathering fire loss statistics in as meaningful and uniform a manner as possible. Progress has been made and continues to be realized in this area, which we all agree represents the cornerstone to a vibrant and effective fire preventive program.

I wish to take this opportunity to express my appreciation to the ACFM/FC members for the co-operation they have extended to make this Report an accurate record of fire losses in Canada.

Respectfully submitted,

G.A. Hope
Fire Commissioner of Canada

Canada

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## THE RECORD

When comparing the 1981 Canadian fire loss statistics with the previous year, in some categories a note of reserved optimism seems warranted. Generally, significant reductions have occurred in the categories associated with the number of deaths, total fires and property monetary losses. These decreases have surfaced at a time when, due to inflation and the economy, higher losses appeared imminent; hopefully the upward spiral has been arrested.

A closer examination of the 1981 fire loss data, when compared to 1980, reveals that there were 694 deaths, a decrease of 139 or 17%. This is particularly noteworthy in that it represents the lowest figure since 1970 when fire fatalities started to increase each year. The 694 deaths consisting of 393 men, 197 women, 96 children and 8 firefighters, were similar to the previous year, except that children's fatalities were reduced by about 50%.

Fire injuries did increase by 431 or 13% to a total of 3,840. The majority of injuries affected men (1,174) and firefighters (1,208). This too was consistent with the ratio for 1980 where these two categories accounted for more than two-thirds of the fire injuries.

In terms of total fires and property damage there were 79,263 fires reported, a decrease of 6,167 or 7% from the previous year. Property damages of $905,422,511 represents a drop of $73,564,197 or 7.5% in actual dollars from the last annual report.

The highest number of fires continues to be recorded in the Residential Property classification with 36,593 incidents and $341,329,820 in property losses. Although the number of fires showed a 9% reduction, the dollar loss was up slightly; predictably 85% of all fire deaths were attributed to this classification. The remaining groups recorded only minor variations in either the number of fires or dollar losses.

Fire losses identified by source of ignition indicate that 19,700 fires or 25% of the national total with a monetary loss of $200,969,141 were listed under the category "Smokers Material and Open Flame". Of this total 7,271 incidents with damages of $46,377,490 listed smokers material as the cause while a further 7,490 fires in this same group, while classified as cause unknown, probably contained a large number where smokers material was involved.

The second most frequently identified cause in the source of ignition group was "Electrical Distribution Equipment" which accounted for 10,215 fires and a dollar loss of $114,948,385. These figures did not vary significantly from 1980.

Data compiled in the category "Act or Omission Causing Fire" are almost identical to those of the last report with "Mechanical, electrical failure or malfunction" being the primary cause with 20,807 fires and $216,799,426 property losses or approximately 25% of the overall total. The next most frequent cause was "Misuse of Source of Ignition" with 17,444 fires and a dollar loss of $128,021,533. "Arson and Other Set Fires" remains as the third highest in this category with 10,927 incidents or 14%, but the dollar loss of $178,271,872 although roughly the same as last year, was significantly more than the comparative second highest loss figure in the source of ignition group.

Data received from Statistics Canada relative to "Arson and Attempted Arson" show a small increase of 2.5% in the actual number of cases involving known or suspected incendiarism with 9,613 investigations as opposed to 9,379 in 1980. Legal proceedings were instituted in 2,421 cases representing a clearance rate of 25%, down slightly from last year.

As indicated at the outset, the 1981 "Record" contains information that is most encouraging. Reductions are noted in the number of fires, the dollar loss and a very positive decline of 139 fire deaths. The Fire Services view this achievement with optimism in the light of increased real property, many instances of severe economic restraint that have inevitably affected resources, plus improved reporting procedures. Hopefully this downward trend will continue and bring Canada more in line with countries recording significantly lower fire loss rates.

## SUMMARY 1972-1981

**TABLE 1(a) CANADA FIRE LOSSES AND FIRE DEATHS**

| Year | Population | Number of Fires | Loss | Per Capita | Fire Deaths | Fire* Death Rate |
|---|---|---|---|---|---|---|
| | | | $ | $ | | |
| 1972 | 21,820,000 | 78,895 | 254,266,623 | 11.65 | 830 | 3.81 |
| 1973 | 22,095,000 | 74,479 | 338,219,141 | 15.31 | 725 | 3.28 |
| 1974 | 22,446,000 | 73,764 | 428,779,153 | 19.10 | 920 | 4.10 |
| 1975 | 23,110,000 | 69,881 | 463,814,403 | 20.07 | 822 | 3.55 |
| 1976 | 23,306,000 | 69,651 | 503,894,438 | 21.63 | 856 | 3.67 |
| 1977 | 23,343,000 | 74,043 | 571,664,756 | 24.49 | 811 | 3.47 |
| 1978 | 23,598,000 | 75,292 | 654,921,917 | 27.75 | 844 | 3.58 |
| 1979 | 23,914,400 | 83,107 | 756,427,141 | 31.63 | 733 | 3.06 |
| 1980 | 24,088,500 | 85,530 | 978,986,708 | 40.64 | 833 | 3.45 |
| 1981 | 24,213,000 | 79,263 | 905,422,511 | 37.39 | 694 | 2.87 |
| TOTAL | | 763,905 | 5,856,396,171 | 24.96** | 8,068 | 3.48 |

* Fire death rate is the number of fire deaths per 100,000 population per annum.
** 10 year average.

**TABLE 1(b) GOVERNMENT OF CANADA FIRE LOSSES**

| Year | Number of Fires | Dollar Loss |
|---|---|---|
| | | $ |
| 1972 | 1,103 | 4,732,024 |
| 1973 | 1,074 | 3,852,862 |
| 1974 | 930 | 4,995,506 |
| 1975 | 865 | 3,951,417 |
| 1976 | 874 | 15,148,323 |
| 1977 | 780 | 6,918,161 |
| 1978 | 819 | 4,526,389 |
| 1979 | 831 | 6,550,707 |
| 1980 | 812 | 5,922,472 |
| 1981 | 750 | 15,071,263 |
| TOTAL | 8,838 | 71,669,124 |

N.B. 1974 to 1981 excludes data on proprietary corporations.



3

**Figure 1** PROPERTY LOSS

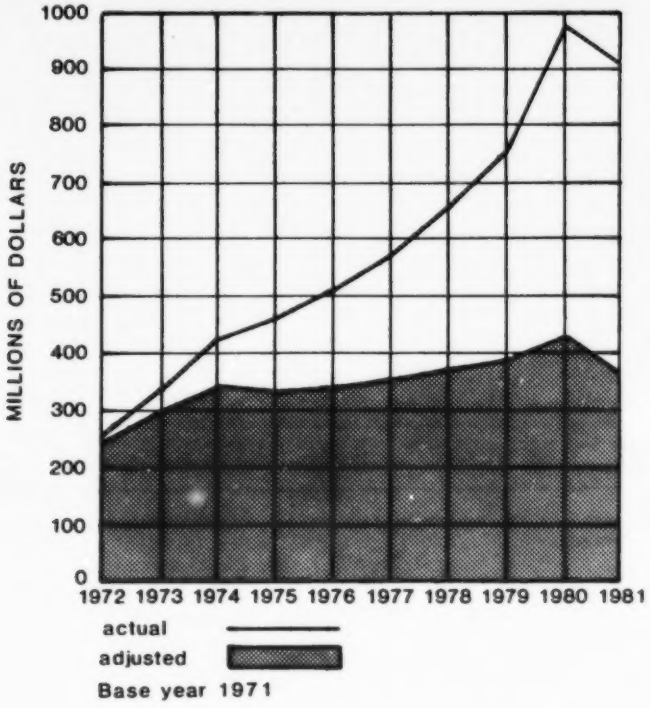
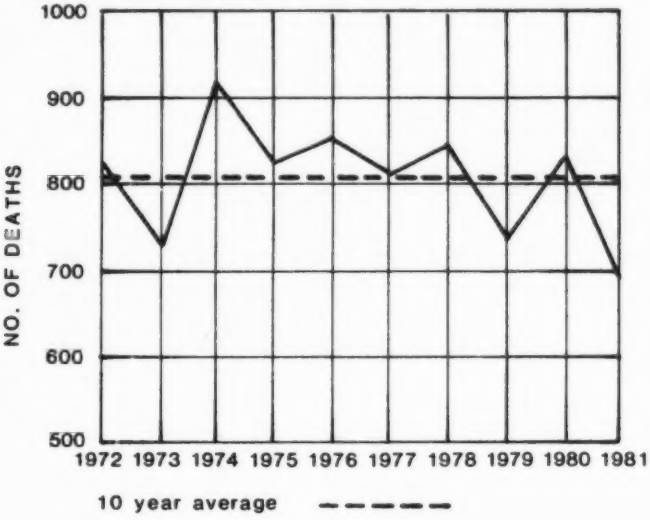



**Figure 2** FIRE DEATHS



## PROVINCIAL LOSSES - 1981 AND 10-YEAR AVERAGE

**TABLE 2 PROPERTY LOSSES BY PROVINCES**

| Province | * Population (July 1981) | Number of Fires | | Loss | | Loss per capita | |
|---|---|---|---|---|---|---|---|
| | | 1981 | Ten-Year Average | 1981 | Ten-Year Average | 1981 | Ten-Year Average |
| | | | | $ | $ | $ | $ |
| Alberta | 2,465,900 | 11,161 | 9,372 | 84,894,794 | 61,961,146 | 34.43 | 30.63 |
| British Columbia | 2,714,900 | 7,023 | 7,473 | 115,992,986 | 75,952,875 | 42.72 | 30.16 |
| Manitoba | 1,031,700 | 6,696 | 5,957 | 36,127,204 | 27,498,320 | 35.02 | 26.73 |
| New Brunswick | 710,900 | 1,336 | 1,335 | 20,503,938 | 16,423,379 | 23.10 | 23.15 |
| Newfoundland | 586,600 | 891 | 790 | 15,219,125 | 11,440,844 | 25.94 | 20.29 |
| Nova Scotia | 858,000 | 2,870 | 2,269 | 40,294,590 | 19,095,723 | 46.96 | 22.67 |
| Ontario | 8,631,300 | 25,173 | 24,897 | 235,750,619 | 158,082,624 | 27.31 | 18.83 |
| Prince Edward Island | 124,400 | 627 | 505 | 5,129,493 | 2,770,927 | 41.23 | 22.76 |
| Quebec | 6,343,100 | 19,907 | 20,453 | 307,451,806 | 186,320,628 | 48.47 | 26.47 |
| Saskatchewan | 981,100 | 3,303 | 2,836 | 32,205,813 | 20,311,180 | 32.83 | 21.22 |
| Yukon | 21,900 | 113 | 102 | 5,853,176 | 1,386,551 | 267.26 | 38.94 |
| N.W. Territories | 43,200 | 163 | 227 | 5,998,967 | 3,691,125 | 138.86 | 169.09 |
| CANADA | 24,213,000 | 79,263 | 76,390 | 905,422,511 | 585,639,617 | 37.39 | 24.96 |

* Official census population published by Statistics Canada.

**TABLE 3 FIRE LOSSES BY OCCUPANCY**

**3(a) Residential Properties**

| Province | 1981 | | | | Ten-Year Average 1972 - 1981 | | | |
|---|---|---|---|---|---|---|---|---|
| | Number of Fires | % | Loss | % | Number of Fires | % | Loss | % |
| | | | $ | | | | $ | |
| Alberta | 3,508 | 31.43 | 24,111,893 | 28.40 | 3,358 | 39.11 | 16,098,643 | 27.07 |
| British Columbia | 2,747 | 39.11 | 42,916,901 | 36.99 | 3,054 | 40.75 | 28,005,180 | 36.17 |
| Manitoba | 2,266 | 38.84 | 13,863,146 | 38.37 | 2,045 | 35.12 | 9,140,933 | 30.47 |
| New Brunswick | 611 | 45.73 | 9,518,277 | 46.42 | 975 | 74.24 | 8,890,009 | 52.95 |
| Newfoundland | 530 | 59.48 | 7,323,061 | 48.11 | 411 | 57.03 | 4,748,994 | 37.88 |
| Nova Scotia | 1,722 | 60.91 | 11,548,500 | 28.65 | 1,424 | 63.37 | 6,937,106 | 41.18 |
| Ontario | 11,469 | 45.56 | 81,989,831 | 34.77 | 13,789 | 55.15 | 55,005,396 | 33.94 |
| Prince Edward Island | 412 | 65.70 | 1,971,194 | 38.42 | 318 | 62.96 | 1,242,556 | 45.47 |
| Quebec | 11,906 | 59.80 | 132,859,901 | 43.21 | 13,384 | 59.76 | 75,261,601 | 39.46 |
| Saskatchewan | 1,264 | 38.26 | 10,703,113 | 33.23 | 1,406 | 50.77 | 6,318,438 | 31.92 |
| Yukon | 62 | 54.86 | 2,976,017 | 50.84 | 53 | 51.09 | 682,176 | 48.42 |
| N.W. Territories | 96 | 58.69 | 1,547,986 | 25.80 | 123 | 54.23 | 1,228,100 | 35.25 |
| CANADA | 36,593 | 46.17 | 341,329,820 | 37.70 | 40,553 | 53.30 | 213,011,614 | 35.56 |

Percentages used in table 3 relate to provincial totals.

### 3(b) Residential - Detail

| Occupancy | Fires | Loss | Injuries | Deaths |
|---|---|---|---|---|
| | | $ | | |
| 1 & 2 Family | 26,994 | 232,499,429 | 1,376 | 413 |
| Apartments | 6,142 | 45,838,898 | 756 | 88 |
| Rooming, Lodging | 264 | 2,837,866 | 70 | 15 |
| Hotel, Inn | 696 | 27,666,256 | 168 | 27 |
| Motor Motel, Motel | 230 | 4,432,883 | 11 | 11 |
| Dormitory | 125 | 5,898,416 | 7 | 1 |
| Mobile Homes | 1,352 | 12,349,505 | 87 | 33 |
| Miscellaneous | 790 | 9,806,567 | 4 | 2 |
| TOTAL | 36,593 | 341,329,820 | 2,479 | 590 |

### 3(c) Assembly

| Province | Number of Fires | % | Loss | % |
|---|---|---|---|---|
| | | | $ | |
| Alberta | 288 | 2.58 | 5,658,480 | 6.66 |
| British Columbia | 251 | 3.57 | 9,802,748 | 8.45 |
| Manitoba | 127 | 1.89 | 4,253,717 | 11.77 |
| New Brunswick | 26 | 1.94 | 1,378,602 | 6.72 |
| Newfoundland | 26 | 3.29 | 2,258,037 | 14.83 |
| Nova Scotia | 32 | 1.11 | 406,106 | 1.00 |
| Ontario | 920 | 3.65 | 13,557,061 | 5.75 |
| Prince Edward Island | 16 | 2.55 | 1,264,086 | 24.64 |
| Quebec | 727 | 3.65 | 37,013,475 | 12.03 |
| Saskatchewan | 81 | 2.45 | 3,007,673 | 9.33 |
| Yukon | 4 | 3.53 | 2,000,250 | 34.17 |
| N.W. Territories | 11 | 6.74 | 114,620 | 1.91 |
| CANADA | 2,509 | 3.17 | 80,714,855 | 8.91 |

**3(d) Assembly - Detail**

| Occupancy | Fires | Loss | Injuries | Deaths |
|---|---|---|---|---|
| | | $ | | |
| Theatre, Studio, Auditorium | 58 | 2,187,949 | 6 | 0 |
| Amusement, Recreation | 305 | 4,635,712 | 16 | 0 |
| School, College, University | 657 | 21,411,546 | 32 | 0 |
| Church, Funeral Parlour | 167 | 10,769,156 | 13 | 0 |
| Club Social Sport | 156 | 3,556,095 | 12 | 1 |
| Museum, Art Gallery | 15 | 208,654 | 0 | 0 |
| Food, Beverage, Est. | 980 | 35,626,305 | 76 | 6 |
| Miscellaneous | 171 | 2,319,438 | 1 | 0 |
| TOTAL | 2,509 | 80,714,855 | 156 | 7 |

**3(e) Institutional**

| Province | Number of Fires | % | Loss | % |
|---|---|---|---|---|
| | | | $ | |
| Alberta | 68 | 0.60 | 480,009 | 0.56 |
| British Columbia | 46 | 0.65 | 10,483,311 | 9.03 |
| Manitoba | 77 | 1.14 | 44,778 | 0.12 |
| New Brunswick | 4 | 0.00 | 219,818 | 1.07 |
| Newfoundland | 0 | 0.00 | 0 | 0.00 |
| Nova Scotia | 37 | 0.00 | 149,574 | 0.37 |
| Ontario | 215 | 0.85 | 983,662 | 0.41 |
| Prince Edward Island | 0 | 0.00 | 0 | 0.00 |
| Quebec | 119 | 0.59 | 1,337,847 | 0.43 |
| Saskatchewan | 16 | 0.48 | 219,067 | 0.68 |
| Yukon | 0 | 0.00 | 0 | 0.00 |
| N.W. Territories | 0 | 0.00 | 0 | 0.00 |
| CANADA | 582 | 0.73 | 13,918,066 | 1.54 |

### 3(f) Institutional - Detail

| Occupancy | Fires | Loss | Injuries | Deaths |
|---|---|---|---|---|
| | | $ | | |
| Prison, Jail, Reformatory | 18 | 10,364,661 | 1 | 0 |
| Home for Aged | 140 | 1,789,270 | 11 | 9 |
| Child Care | 25 | 26,366 | 0 | 0 |
| Hospital, Sanatorium, Clinic | 345 | 1,723,238 | 16 | 4 |
| Miscellaneous | 14 | 14,531 | 0 | 0 |
| TOTAL | 582 | 13,918,066 | 28 | 13 |

### 3(g) Business and Personal Service

| Province | Number of Fires | % | Loss | % |
|---|---|---|---|---|
| | | | $ | |
| Alberta | 87 | 0.77 | 2,404,263 | 2.83 |
| British Columbia | 56 | 0.79 | 2,775,926 | 2.39 |
| Manitoba | 21 | 0.31 | 1,601,882 | 4.43 |
| New Brunswick | 3 | 0.22 | 552,023 | 2.69 |
| Newfoundland | 6 | 0.67 | 255,259 | 1.67 |
| Nova Scotia | 9 | 0.31 | 260,204 | 0.64 |
| Ontario | 221 | 0.87 | 3,082,125 | 1.30 |
| Prince Edward Island | 1 | 0.15 | 1,110 | 0.02 |
| Quebec | 181 | 0.90 | 6,889,366 | 2.24 |
| Saskatchewan | 17 | 0.51 | 597,693 | 1.85 |
| Yukon | 2 | 1.76 | 224,560 | 3.83 |
| N.W. Territories | 4 | 2.45 | 109,550 | 1.82 |
| CANADA | 608 | 0.77 | 18,753,961 | 2.07 |

### 3(h) Mercantile Properties

| Province | Number of Fires | % | Loss | % |
|---|---|---|---|---|
| | | | $ | |
| Alberta | 243 | 2.17 | 6,404,662 | 7.54 |
| British Columbia | 159 | 2.26 | 12,181,830 | 10.50 |
| Manitoba | 100 | 1.49 | 3,059,014 | 8.46 |
| New Brunswick | 28 | 2.09 | 1,102,414 | 5.37 |
| Newfoundland | 25 | 2.80 | 997,421 | 6.55 |
| Nova Scotia | 178 | 6.20 | 9,821,707 | 24.37 |
| Ontario | 700 | 2.78 | 19,861,427 | 8.42 |
| Prince Edward Island | 32 | 5.10 | 1,203,656 | 22.46 |
| Quebec | 866 | 4.35 | 33,284,729 | 10.82 |
| Saskatchewan | 58 | 1.75 | 5,061,585 | 15.71 |
| Yukon | 4 | 3.53 | 343,000 | 5.86 |
| N.W. Territories | 3 | 1.84 | 486,000 | 8.10 |
| CANADA | 2,396 | 3.02 | 93,807,445 | 10.36 |

### 3(i) Industrial Manufacturing Properties

| Province | Number of Fires | % | Loss | % |
|---|---|---|---|---|
| | | | $ | |
| Alberta | 190 | 1.70 | 11,857,119 | 13.96 |
| British Columbia | 197 | 2.80 | 9,113,028 | 7.85 |
| Manitoba | 106 | 1.58 | 1,655,292 | 4.58 |
| New Brunswick | 23 | 1.72 | 3,755,458 | 18.31 |
| Newfoundland | 7 | 0.78 | 933,500 | 6.13 |
| Nova Scotia | 10 | 0.34 | 15,955,064 | 39.59 |
| Ontario | 905 | 3.59 | 46,871,327 | 19.90 |
| Prince Edward Island | 3 | 0.47 | 80,526 | 1.56 |
| Quebec | 556 | 2.79 | 36,789,689 | 11.96 |
| Saskatchewan | 27 | 0.81 | 276,976 | 0.86 |
| Yukon | 8 | 7.07 | 124,087 | 2.11 |
| N.W. Territories | 0 | 0.00 | 0 | 0.00 |
| CANADA | 2,032 | 2.56 | 127,412,066 | 14.07 |

### 3(j) Storage Properties

| Province | Number of Fires | % | Loss | % |
|---|---|---|---|---|
| | | | $ | |
| Alberta | 572 | 5.12 | 10,953,856 | 12.90 |
| British Columbia | 325 | 4.62 | 7,942,753 | 6.84 |
| Manitoba | 253 | 3.77 | 4,409,743 | 12.20 |
| New Brunswick | 28 | 2.09 | 956,080 | 4.66 |
| Newfoundland | 40 | 4.48 | 276,415 | 1.81 |
| Nova Scotia | 88 | 3.06 | 614,280 | 1.52 |
| Ontario | 1,151 | 4.57 | 20,975,618 | 8.89 |
| Prince Edward Island | 5 | 0.79 | 89,959 | 1.75 |
| Quebec | 423 | 2.12 | 17,392,384 | 5.65 |
| Saskatchewan | 193 | 5.84 | 5,612,303 | 17.42 |
| Yukon | 0 | 0.00 | 0 | 0.00 |
| N.W. Territories | 9 | 5.52 | 264,050 | 4.40 |
| CANADA | 3,087 | 3.89 | 69,487,441 | 7.67 |

### 3(k) Special Properties (Outdoors and Vehicles)

| Province | Number of Fires | % | Loss | % |
|---|---|---|---|---|
| | | | $ | |
| Alberta | 5,540 | 49.63 | 12,623,650 | 14.86 |
| British Columbia | 2,643 | 37.63 | 13,314,075 | 11.47 |
| Manitoba | 3,497 | 52.22 | 3,266,203 | 9.04 |
| New Brunswick | 531 | 39.74 | 1,744,963 | 8.51 |
| Newfoundland | 255 | 28.61 | 3,156,732 | 20.74 |
| Nova Scotia | 707 | 24.63 | 753,487 | 1.86 |
| Ontario | 7,831 | 31.10 | 23,575,200 | 9.99 |
| Prince Edward Island | 130 | 20.73 | 264,623 | 5.15 |
| Quebec | 4,246 | 21.32 | 20,381,142 | 6.62 |
| Saskatchewan | 1,454 | 44.02 | 4,773,983 | 14.82 |
| Yukon | 33 | 29.20 | 185,262 | 3.16 |
| N.W. Territories | 34 | 20.85 | 3,382,156 | 56.37 |
| CANADA | 26,901 | 33.94 | 87,421,476 | 9.66 |

### 3(l) Special Properties - Detail

| Occupancy | Fires | Loss | Injuries | Deaths |
|---|---|---|---|---|
| | | $ | | |
| Outdoor Property | 5,178 | 853,570 | 28 | 7 |
| Watercraft | 223 | 4,855,191 | 8 | 3 |
| Rail Transport | 153 | 1,170,327 | 0 | 0 |
| Ground Transport | 19,058 | 37,166,007 | 155 | 34 |
| Aircraft | 15 | 1,084,643 | 4 | 1 |
| Miscellaneous | 2,274 | 42,291,738 | 115 | 4 |
| TOTAL | 26,901 | 87,421,476 | 310 | 49 |

### 3(m) Farm Properties

| Province | Number of Fires | % | Loss | % |
|---|---|---|---|---|
| | | | $ | |
| Alberta | 253 | 2.26 | 2,055,058 | 2.42 |
| British Columbia | 18 | 0.25 | 296,572 | 0.25 |
| Manitoba | 111 | 1.65 | 2,604,253 | 7.20 |
| New Brunswick | 17 | 1.27 | 165,116 | 0.80 |
| Newfoundland | 1 | 0.11 | 14,500 | 0.09 |
| Nova Scotia | 47 | 1.63 | 386,741 | 0.95 |
| Ontario | 402 | 1.59 | 17,433,942 | 7.39 |
| Prince Edward Island | 22 | 3.50 | 237,203 | 4.62 |
| Quebec | 335 | 1.68 | 16,780,992 | 5.45 |
| Saskatchewan | 92 | 2.78 | 1,175,219 | 3.64 |
| Yukon | 0 | 0.00 | 0 | 0.00 |
| N.W. Territories | 0 | 0.00 | 0 | 0.00 |
| CANADA | 1,298 | 1.63 | 41,149,596 | 4.54 |

### 3(a) Miscellaneous Properties

| Province | Number of Fires | % | Loss | % |
|---|---|---|---|---|
| | | | $ | |
| Alberta | 665 | 5.95 | 10,400,862 | 12.25 |
| British Columbia | 599 | 8.52 | 7,462,414 | 6.43 |
| Manitoba | 249 | 3.71 | 3,973,429 | 10.99 |
| New Brunswick | 82 | 6.13 | 1,276,303 | 6.22 |
| Newfoundland | 2 | 0.22 | 18,700 | 0.09 |
| Nova Scotia | 87 | 3.03 | 785,668 | 1.94 |
| Ontario | 1,761 | 6.99 | 24,854,368 | 10.54 |
| Prince Edward Island | 28 | 4.46 | 254,339 | 4.95 |
| Quebec | 883 | 4.43 | 21,503,273 | 6.99 |
| Saskatchewan | 193 | 5.84 | 1,953,420 | 9.62 |
| Yukon | 0 | 0.00 | 0 | 0.00 |
| N.W. Territories | 6 | 3.68 | 94,605 | 1.57 |
| CANADA | 4,555 | 5.75 | 72,577,381 | 8.02 |

### TABLE A ARSON AND ATTEMPTED ARSON 1961

| Province | Suspected or Known Incendiary | Unfounded | Actual Number | Offences Cleared | | Persons Charged | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | By Charge | Otherwise | Adults | | Juveniles | | Juveniles Not Charged |
| | | | | | | M | F | M | F | |
| Alberta | 867 | 94 | 773 | 117 | 94 | 84 | 13 | 40 | 3 | 115 |
| British Columbia | 1,339 | 91 | 1,248 | 112 | 144 | 96 | 10 | 55 | 5 | 55 |
| Manitoba | 384 | 52 | 332 | 76 | 36 | 47 | 7 | 26 | 0 | 32 |
| New Brunswick | 450 | 47 | 403 | 56 | 14 | 61 | 2 | 10 | 1 | 3 |
| Newfoundland | 118 | 14 | 104 | 33 | 9 | 25 | 2 | 21 | 2 | 9 |
| Nova Scotia | 548 | 85 | 463 | 75 | 29 | 71 | 7 | 18 | 0 | 2 |
| Ontario | 2,908 | 174 | 2,734 | 484 | 291 | 326 | 50 | 81 | 13 | 484 |
| Prince Edward Island | 43 | 1 | 42 | 8 | 5 | 9 | 2 | 1 | 0 | 1 |
| Quebec | 4,726 | 1,579 | 3,147 | 495 | 250 | 513 | 54 | 181 | 10 | 89 |
| Saskatchewan | 380 | 60 | 320 | 44 | 33 | 45 | 3 | 12 | 0 | 52 |
| Yukon | 21 | 2 | 19 | 1 | 5 | 0 | 0 | 0 | 1 | 4 |
| N.W. Territories | 32 | 4 | 28 | 5 | 5 | 6 | 0 | 0 | 0 | 4 |
| CANADA | 11,816 | 2,203 | 9,613 | 1,506 | 915 | 1,283 | 150 | 445 | 35 | 850 |

**TABLE 5 FIRE LOSSES BY SOURCE OF IGNITION**

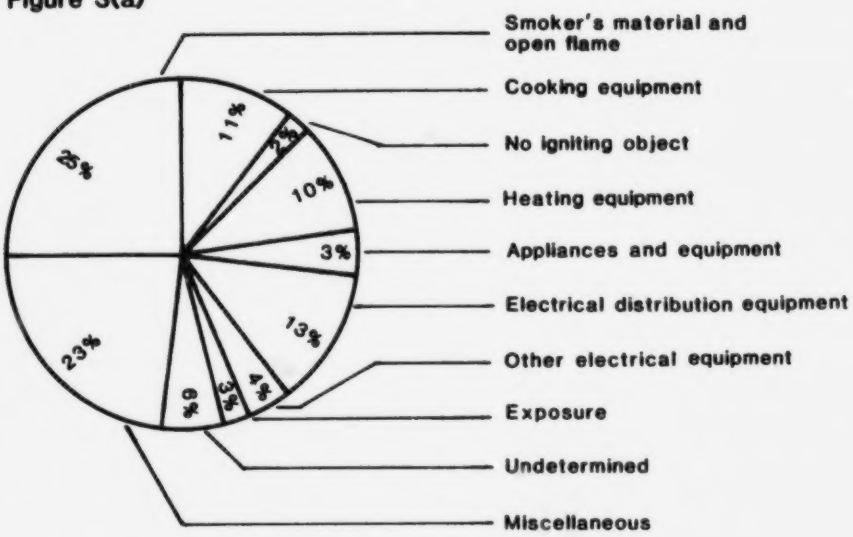
| Source of Ignition (Igniting Object) | No. Fires | Dollar Loss | Injuries* | | | | | Deaths* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FF | M | W | C | Uncl | FF | M | W | C | Uncl. |
| No Igniting Object (e.g. Lightning) | 1,423 | 11,808,561 | 212 | 10 | 4 | 0 | 1 | 1 | 8 | 4 | 0 | 0 |
| Cooking Equipment | 8,427 | 39,197,776 | 65 | 177 | 156 | 29 | 157 | 0 | 25 | 15 | 15 | 0 |
| Heating Equipment | 8,110 | 71,369,187 | 92 | 106 | 32 | 20 | 57 | 0 | 32 | 15 | 6 | 0 |
| Appliances & Equip. | 3,025 | 20,811,482 | 14 | 14 | 8 | 3 | 0 | 1 | 9 | 2 | 3 | 0 |
| Electrical Dist. Equip. | 10,215 | 114,948,385 | 68 | 87 | 18 | 1 | 96 | 1 | 20 | 18 | 7 | 0 |
| Other Elec. Equip. | 3,333 | 31,906,177 | 32 | 38 | 22 | 2 | 17 | 0 | 6 | 2 | 9 | 0 |
| Smoker's Material & "Open" Flame: | | | | | | | | | | | | |
| Smoker's Material | 7,221 | 46,377,490 | 49 | 178 | 83 | 32 | 3 | 0 | 57 | 31 | 6 | 0 |
| Match, Lighter (not used with smoking), Lamp, Candle, Taper | 3,481 | 17,888,165 | 34 | 39 | 20 | 16 | 0 | 0 | 6 | 2 | 10 | 0 |
| Cutting Torch, Welding Equip., Varied Torches | 1,065 | 30,598,889 | 24 | 45 | 1 | 1 | 0 | 0 | 2 | 1 | 0 | 0 |
| Hot Ashes, Embers (non-smoking material) | 443 | 2,900,202 | 2 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Smoker's Material or "Open" Flame, Unclass. | 7,490 | 103,204,395 | 129 | 167 | 78 | 17 | 310 | 0 | 65 | 32 | 4 | 0 |
| Exposure | 2,015 | 17,058,412 | 22 | 16 | 5 | 1 | 1 | 0 | 1 | 1 | 0 | 0 |
| Miscellaneous | 18,556 | 271,299,587 | 444 | 286 | 78 | 17 | 0 | 1 | 101 | 54 | 13 | 0 |
| Undetermined | 4,459 | 125,853,803 | 21 | 5 | 11 | 4 | 156 | 4 | 61 | 20 | 23 | 0 |
| TOTAL | 79,263 | 905,422,511 | 1,208 | 1,174 | 517 | 143 | 798 | 8 | 393 | 197 | 96 | 0 |

a
F.F. - Firefighter
M - Men
W - Women
C - Children

# SOURCE OF IGNITION
# 1981

## NO. OF FIRES

Figure 3(a)




## LOSS

Figure 3(b)

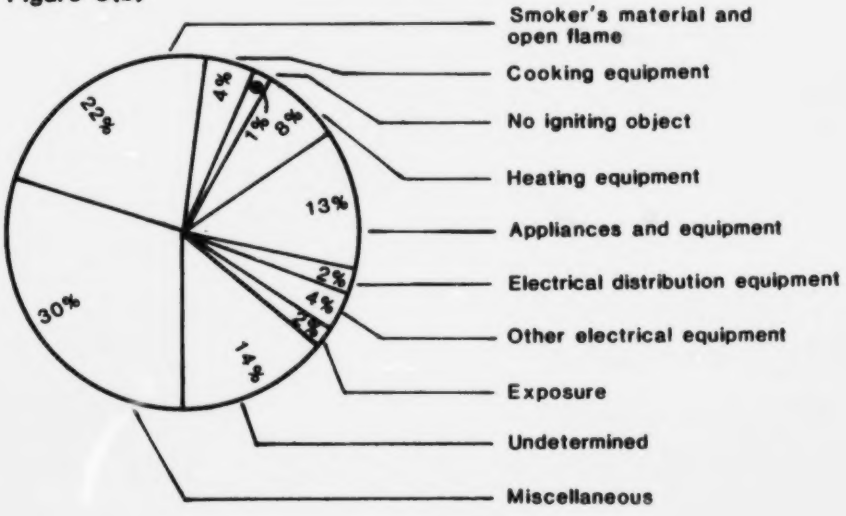


**TABLE 6(a) FIRE DEATHS BY PROVINCES - 1981 AND 10 YEAR DATA**

| Province | 1981 | | | | | | Ten-Year Data | |
|---|---|---|---|---|---|---|---|---|
| | Men | Women | Children | FF | Total | Fire Death Rate* | Total | Rate |
| Alberta | 50 | 13 | 8 | 1 | 72 | 2.92 | 777 | 4.06 |
| British Columbia | 42 | 21 | 13 | 0 | 76 | 2.80 | 1,065 | 4.27 |
| Manitoba | 25 | 15 | 12 | 0 | 52 | 5.04 | 499 | 4.87 |
| New Brunswick | 14 | 4 | 0 | 0 | 18 | 2.53 | 332 | 4.83 |
| Newfoundland | 7 | 4 | 5 | 0 | 16 | 2.73 | 221 | 3.94 |
| Nova Scotia | 13 | 2 | 6 | 0 | 21 | 2.45 | 335 | 4.03 |
| Ontario | 129 | 85 | 2 | 1 | 217 | 2.51 | 2,472 | 3.03 |
| Prince Edward Island | 1 | 0 | 0 | 0 | 1 | 0.80 | 57 | 4.69 |
| Quebec | 94 | 42 | 36 | 6 | 178 | 2.81 | 1,786 | 2.85 |
| Saskatchewan | 15 | 7 | 11 | 0 | 33 | 3.36 | 375 | 3.97 |
| Yukon | 3 | 0 | 0 | 0 | 3 | 13.69 | 25 | 12.17 |
| N.W. Territories | 0 | 4 | 3 | 0 | 7 | 16.20 | 97 | 24.21 |
| CANADA | 393 | 197 | 96 | 8 | 694 | 2.87 | 8,060 | 3.48 |

* Fire death rate is the number of fire deaths per 100,000 population per annum.

**TABLE 6(b) FIRE INJURIES BY PROVINCES - 1981****

| Province | Men | Women | Children | FF | Unclas. | Total | Fire Injury Rate* |
|---|---|---|---|---|---|---|---|
| Alberta | 234 | 60 | 28 | 55 | 0 | 377 | 15.29 |
| British Columbia | 100 | 55 | 54 | 40 | 0 | 249 | 9.17 |
| Manitoba | 97 | 48 | 32 | 55 | 0 | 232 | 22.49 |
| New Brunswick | 26 | 2 | 0 | 0 | 0 | 28 | 3.93 |
| Newfoundland | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| Nova Scotia | 35 | 14 | 7 | 75 | 0 | 131 | 15.27 |
| Ontario | 648 | 315 | 4 | 972 | 4 | 1,943 | 22.51 |
| Prince Edward Island | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| Quebec | 0 | 0 | 0 | 0 | 794 | 794 | 12.51 |
| Saskatchewan | 25 | 18 | 17 | 7 | 0 | 67 | 6.83 |
| Yukon | 2 | 2 | 0 | 3 | 0 | 7 | 31.96 |
| N.W. Territories | 7 | 3 | 1 | 1 | 0 | 12 | 27.77 |
| CANADA | 1,174 | 517 | 143 | 1,208 | 798 | 3,840 | 15.85 |

* Fire injury rate is the number of fire injuries per 100,000 population per annum.
** New Table - Nil comparative figures.

TABLE 7 ACT OR OMISSION CAUSING FIRE - 1981

| Act or Omission | No. Fires | Dollar Loss | Injuries* | | | | | Deaths* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FF | M | W | C | Uncl. | FF | M | W | C | Uncl. |
| Arson or other set fires: | | | | | | | | | | | | |
| Arson/Suspected Arson | 2,052 | 52,963,602 | 17 | 6 | 2 | 5 | 0 | 0 | 2 | 3 | 1 | 0 |
| Other Set Fires | 8,875 | 125,308,270 | 222 | 72 | 27 | 3 | 121 | 1 | 23 | 7 | 2 | 0 |
| Misuse of source of ignition: | | | | | | | | | | | | |
| Undetermined | 188 | 2,295,158 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Smoker's Material | 6,438 | 49,703,967 | 104 | 236 | 113 | 18 | 3 | 0 | 106 | 49 | 6 | 0 |
| Child Playing With | 2,378 | 8,821,478 | 21 | 30 | 25 | 29 | 0 | 0 | 9 | 7 | 11 | 0 |
| Miscellaneous | 8,440 | 67,200,930 | 107 | 140 | 57 | 9 | 346 | 0 | 49 | 23 | 13 | 0 |
| Misuse of material ignited | 3,658 | 41,684,347 | 50 | 193 | 77 | 15 | 32 | 0 | 11 | 7 | 2 | 0 |
| Mechanical, electrical failure, malfunction | 20,807 | 216,799,426 | 141 | 142 | 56 | 17 | 134 | 2 | 31 | 27 | 13 | 0 |
| Construction, design or installation deficiency | 2,652 | 38,384,408 | 42 | 22 | 7 | 4 | 15 | 0 | 9 | 8 | 3 | 0 |
| Misuse of equipment | 897 | 6,287,384 | 0 | 10 | 9 | 0 | 7 | 0 | 5 | 2 | 1 | 0 |
| Human failing: | | | | | | | | | | | | |
| Undetermined | 196 | 1,902,676 | 0 | 0 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 0 |
| Asleep | 238 | 1,710,232 | 1 | 16 | 6 | 2 | 0 | 0 | 9 | 3 | 6 | 0 |
| Suspected impairment by alcohol, drugs, medication | 184 | 1,205,583 | 1 | 21 | 4 | 2 | 0 | 0 | 16 | 6 | 4 | 0 |
| Miscellaneous | 2,411 | 12,918,182 | 5 | 67 | 45 | 14 | 17 | 0 | 27 | 20 | 2 | 0 |
| Vehicle accident | 321 | 2,837,969 | 0 | 21 | 3 | 0 | 0 | 0 | 20 | 3 | 4 | 0 |
| Miscellaneous | 16,144 | 249,814,382 | 267 | 166 | 63 | 21 | 122 | 4 | 66 | 32 | 28 | 0 |
| Undetermined | 3,384 | 25,584,517 | 230 | 32 | 21 | 4 | 1 | 1 | 7 | 0 | 0 | 0 |
| TOTAL | 79,263 | 905,422,511 | 1,208 | 1,174 | 517 | 143 | 798 | 8 | 393 | 197 | 96 | 0 |

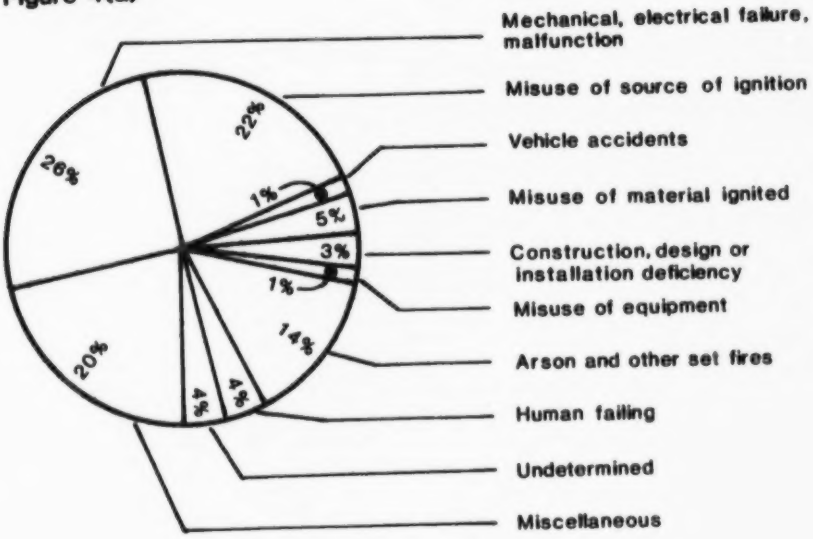
*
F.F. - Firefighter
M - Men
W - Women
C - Children

# ACT OR OMISSION CAUSING FIRE

## 1981

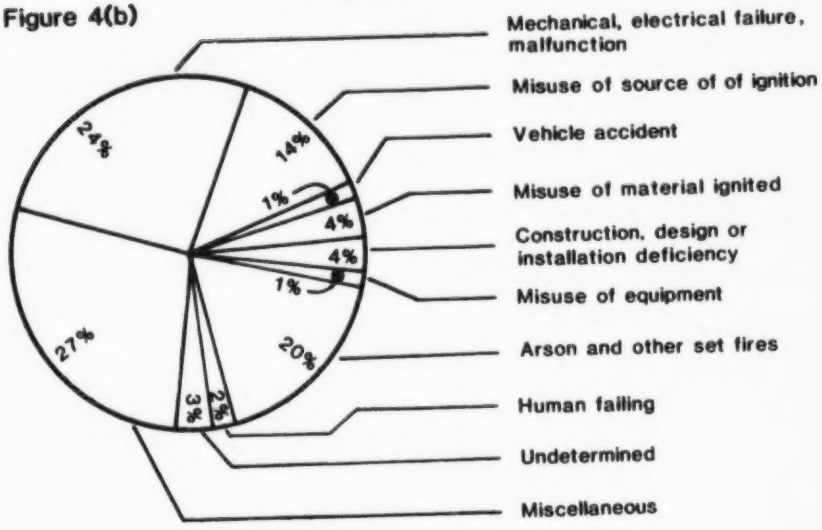
### NO. OF FIRES

Figure 4(a)




### LOSS

Figure 4(b)



## LOSSES OF $500,000 AND OVER
## 1981

| Date | Fire Location | Property Classification | Cause - Known or Suspected | $ Loss | Deaths | Injuries |
|---|---|---|---|---|---|---|
| **ALBERTA** | | | | | | |
| 81-01-01 | Fort McMurray | Vehicle Repair Shop | Arson | 1,156,610 | 0 | 1 |
| 81-01-08 | County 14 | Barn | Electrical Short Circuit | 576,589 | 0 | 0 |
| 81-01-21 | I.D. 18 | Sawmill | Worn Out Part | 625,000 | 0 | 0 |
| 81-02-10 | Banff | Bus Terminal | Mechanical/ Electrical Failure | 853,500 | 0 | 0 |
| 81-03-11 | Calgary | General Warehouse | Welding | 710,603 | 0 | 0 |
| 81-03-15 | Leduc | Sporting Goods | Unknown | 698,148 | 0 | 0 |
| 81-03-23 | County 31 | Sawmill | Short Circuit | 628,291 | 0 | 0 |
| 81-03-28 | Calgary | Variety Store | Suspected Arson | 1,510,756 | 0 | 0 |
| 81-04-20 | Wetaskiwin | General Warehouse | Unknown | 1,549,683 | 0 | 0 |
| 81-04-30 | Calgary | Mercantile | Smoker's Material | 1,839,190 | 0 | 0 |
| 81-05-03 | Edmonton | Night Club | Suspected Arson | 621,067 | 0 | 0 |
| 81-05-27 | Ft. Saskatchewan | Chemical Plant | Unknown | 7,000,000 | 0 | 5 |
| 81-06-27 | Innisfail | Night Club | Unknown | 859,286 | 0 | 0 |
| 81-07-19 | I.D. 24 | High School | Suspected Arson | 5,000,000 | 0 | 0 |
| 81-07-25 | Lethbridge | Furniture Storage | Unknown | 1,093,965 | 0 | 0 |

| Date | Fire Location | Property Classification | Cause - Known or Suspected | $ Loss | Deaths | Injuries |
|---|---|---|---|---|---|---|
| 81-07-31 | M.D. 90 | Clothing Storage | Suspected Arson | 5,011,285 | 0 | 0 |
| 81-08-05 | Fairview | Bulk Grain Storage | Suspected Arson | 715,000 | 0 | 0 |
| 81-08-18 | County #1 | Wood Products Manufacture | Unknown | 885,000 | 0 | 1 |
| 81-08-18 | County #1 | Furniture Manufacture | Human Error | 635,000 | 0 | 0 |
| 81-09-01 | St. Paul | Grain Mill | Unknown | 900,474 | 0 | 0 |
| 81-09-11 | County #4 | Petroleum Refinery | Welding | 4,000,000 | 0 | 0 |
| 81-09-15 | Calgary | Restaurant | Suspected Arson | 511,326 | 0 | 0 |
| 81-09-17 | Edmonton | Multiple Dwelling | Unknown | 1,123,200 | 1 | 3 |
| 81-10-15 | I.D. 18 | Heating Plant | Installation Deficiency | 800,000 | 0 | 0 |
| 81-10-15 | High Prairie | Building Under Construction | Unknown | 749,225 | 0 | 0 |
| 81-10-27 | Veteran | Bulk Grain Storage | Electrical Short Circuit | 1,736,039 | 0 | 1 |
| 81-10-30 | County 20 | Gas Distribution System | Part Failure | 968,000 | 0 | 1 |
| 81-11-01 | Edmonton | Restaurant | Suspected Arson | 1,004,593 | 0 | 0 |
| 81-11-02 | Calgary | Supermarket | Combustible too close to heat | 622,188 | 0 | 0 |
| 81-11-17 | Grande Prairie | Newspaper Printing | Arson | 752,100 | 0 | 0 |
| 81-12-05 | Calgary | Furniture Store | Human Failure | 521,807 | 0 | 0 |

| Date | Fire Location | Property Classification | Cause - Known or Suspected | $ Loss | Deaths | Injuries |
|---|---|---|---|---|---|---|
| 81-12-09 | County 17 | Bulk Grain Storage | Mechanical/ Electrical Failure | 801,620 | 0 | 0 |
| 81-12-25 | High Prairie | Hotel | Worn Out Part | 500,000 | 0 | 0 |
| **NOTE:** Two large loss fires not included in 1980 Annual Report. | | | | | | |
| 80-02-13 | Edmonton | Church | Arson | 648,240 | 0 | 0 |
| 80-02-14 | Calgary | Building Under Construction | Part Failure | 914,371 | 0 | 0 |
| **BRITISH COLUMBIA** | | | | | | |
| 81-01-06 | Fort St. John | Shopping Mall | Suspected Arson | 778,000 | 0 | 0 |
| 81-01-31 | Victoria | Hotel | Criminal Offence | 500,000 | 0 | 0 |
| 81-02-01 | Vancouver | Apartment Building | Criminal Offence | 1,000,000 | 0 | 0 |
| 81-02-05 | Rossland | School | Suspected Arson | 620,805 | 0 | 0 |
| 81-02-18 | Victoria | Building Supplier | Misuse of Source of Ignition | 1,017,000 | 0 | 0 |
| 81-03-04 | Vancouver | Church | Suspected Arson | 700,000 | 0 | 0 |
| 81-03-17 | Lillooet | Hotel | Short Circuit | 600,000 | 0 | 0 |
| 81-03-22 | Richmond | Business Office | Suspected Arson | 1,302,000 | 0 | 0 |
| 81-03-28 | Prince George | Tanker Truck | Welding | 560,000 | 0 | 0 |
| 81-04-26 | Langley | Lumber Mill | Unknown | 1,243,400 | 0 | 0 |
| 81-05-08 | Vancouver | Apartment Building | Suspected Arson | 750,000 | 0 | 0 |

| Date | Fire Location | Property Classification | Cause - Known or Suspected | $ Loss | Deaths | Injuries |
|---|---|---|---|---|---|---|
| 81-06-02 | Matsqui | Penitentiary | Riot | 10,000,000 | 0 | 0 |
| 81-06-28 | Prince Rupert County | Manufacturing | Unknown | 2,000,000 | 0 | 0 |
| 81-07-03 | Squamish | Marina | Smoker's Material | 700,000 | 0 | 0 |
| 81-07-09 | Prince George | Apartment Building | Unknown | 2,300,000 | 0 | 0 |
| 81-07-13 | Port Alice | Mercantile | Unknown | 1,000,000 | 0 | 0 |
| 81-08-24 | Kelowna | Building Under Construction | Criminal Offence | 2,000,000 | 0 | 0 |
| 81-08-24 | Pitt Meadows | Sawmill | Welding | 500,000 | 0 | 0 |
| 81-09-03 | Vancouver | Building Under Construction | Suspected Arson | 500,000 | 0 | 0 |
| 81-09-06 | Ladysmith | Retail Sales | Suspected Arson | 500,000 | 0 | 0 |
| 81-10-14 | Nanaimo County | Hotel, Seasonal | Suspected Arson | 500,000 | 0 | 0 |
| 81-10-30 | Burnaby | Electrical Manufacturing | Unknown | 900,000 | 0 | 0 |
| 81-11-12 | Coldstream | Fibreglas Plant | Unknown | 700,000 | 0 | 0 |
| 81-11-19 | Cache Creek | Department Store | Part Failure | 3,000,000 | 0 | 0 |
| 81-12-03 | Kelowna | Agriculture Supply Storage | Unknown | 585,000 | 0 | 0 |
| 81-12-08 | North Saanich | Marine Terminal | Welding | 550,000 | 0 | 0 |
| 81-12-22 | Cranbrook | Delicatessen | Suspected Arson | 750,000 | 0 | 0 |

| Date | Fire Location | Property Classification | Cause - Known or Suspected | $ Loss | Deaths | Injuries |
|---|---|---|---|---|---|---|
| **MANITOBA** | | | | | | |
| 81-01-08 | Falcon Lake | Motor Hotel | Unknown | 510,000 | 0 | 0 |
| 81-02-11 | Winnipeg | Lumber Yard | Electrical Short Circuit | 695,753 | 0 | 0 |
| 81-06-05 | Portage La Prairie | Process Food Plant | Arson | 750,000 | 0 | 0 |
| 81-06-28 | Winnipeg | Apartment | Arson | 605,333 | 0 | 2 |
| 81-08-01 | Brandon | Boat Building | Arson | 800,000 | 0 | 0 |
| 81-09-08 | Sandy Bay I.R. | School | Deficiency in Construction Design | 1,750,000 | 0 | 0 |
| 81-10-01 | Gillam | Electrical System | Mechanical/ Electrical Failure | 500,000 | 0 | 0 |
| 81-12-16 | Birtle R.M. | Grain Storage | Welding/Cutting | 710,000 | 0 | 0 |
| 81-12-28 | Winnipeg | Supermarket | Unknown | 561,159 | 0 | 0 |
| 81-12-28 | Somerset | Church | Unknown | 617,000 | 0 | 0 |
| **NEW BRUNSWICK** | | | | | | |
| 81-07-28 | Saint John | Church | Unknown | 649,781 | 0 | 0 |
| **NEWFOUNDLAND** | | | | | | |
| 81-09-27 | Carbonear | Fish Plant | Unknown | 640,000 | 0 | 0 |
| **NOVA SCOTIA** | | | | | | |
| 81-05-16 | Pictou | Business Complex | Suspected Arson | 650,000 | 0 | 0 |
| 81-06-08 | Yarmouth | Lodge | Electrical | 918,000 | 0 | 0 |
| 81-08-01 | Mink Cove | Fish Plant | Unknown | 671,507 | 0 | 0 |

| Date | Fire Location | Property Classification | Cause - Known or Suspected | $ Loss | Deaths | Injuries |
|---|---|---|---|---|---|---|
| 81-09-06 | Bible Hill | Sports Complex | Suspected Arson | 1,326,500 | 0 | 0 |
| 81-09-11 | Yarmouth | Business Complex | Suspected Arson | 644,000 | 0 | 0 |
| 81-09-26 | Riverport | Fish Plant | Electrical | 11,778,156 | 0 | 0 |
| 81-11-27 | Guysborough | Business Complex | Electrical | 693,933 | 0 | 0 |
| 81-12-13 | Halifax | Business Complex | Part Failure | 555,180 | 0 | 17 |
| 81-12-23 | Berwick | Food Plant | Electrical | 3,478,201 | 0 | 0 |
| 82-01-15 | Glace Bay | Business Complex | Unknown | 767,000 | 0 | 0 |
| 82-03-05 | Amherst | Business Complex | Suspected Arson | 605,000 | 0 | 0 |
| **ONTARIO** | | | | | | |
| 81-01-04 | London | Hotel/Motel | Arson | 1,700,000 | 0 | 0 |
| 81-01-17 | North York | Hotel/Motel | Smoker's Material | 2,000,000 | 6 | 66 |
| 81-01-25 | Gananoque | Supermarket | Unknown | 800,000 | 0 | 3 |
| 81-02-07 | Nepean | Dwelling | Mechanical/ Electrical Failure | 600,000 | 0 | 0 |
| 81-02-12 | Hamilton | Restaurant | Arson | 500,000 | 0 | 3 |
| 81-02-14 | North York | Restaurant | Mechanical/ Electrical Failure | 550,000 | 0 | 0 |
| 81-02-26 | Unidentified | Pier/Wharf | Welding/Cutting | 1,500,000 | 0 | 0 |
| 82-02-27 | Vespra | Barn | Short Circuit | 2,447,744 | 0 | 0 |
| 81-03-07 | Hamilton | Church | Arson | 624,999 | 0 | 2 |
| 81-03-29 | O'Connor Twp. | Sawmill | Unknown | 600,000 | 0 | 0 |

| Date | Fire Location | Property Classification | Cause - Known or Suspected | $ Loss | Deaths | Injuries |
|---|---|---|---|---|---|---|
| 81-04-04 | Lincoln | Business Complex | Arson | 545,000 | 0 | 0 |
| 81-04-11 | South Himsworth | Motor Vehicle Sales | Unknown | 500,000 | 0 | 0 |
| 81-04-12 | Timmins | Furniture Store | Human Error | 500,000 | 0 | 4 |
| 81-05-20 | Kitchener | Building Under Construction | Unknown | 752,000 | 0 | 0 |
| 81-05-25 | Thunder Bay | Grain Storage | Improper Storage | 7,200,000 | 0 | 1 |
| 81-06-17 | Toronto | Building - Renovation | Unknown | 1,500,000 | 0 | 6 |
| 81-06-25 | Kingston | Aircraft Hangars | Human Error | 600,000 | 0 | 4 |
| 81-06-27 | Elliot Lake | Builder's Supply | Arson | 610,000 | 0 | 1 |
| 81-07-08 | Romney R.M. | Paper, Pulp Plant | Smoker's Material | 6,000,000 | 0 | 0 |
| 81-07-29 | Alliston | Plastic Plant | Unknown | 2,000,000 | 0 | 0 |
| 81-08-01 | Hamilton | Heating Plant | Design/ Installation Deficiency | 4,240,000 | 0 | 2 |
| 81-08-06 | Timmins | Vacant Building | Arson | 1,250,000 | 0 | 0 |
| 81-08-14 | London | Wood, Cork Plant | Design/ Installation Deficiency | 600,000 | 0 | 0 |
| 81-08-20 | Tuckersmith Township | Nursing Home | Fuel Spill | 500,000 | 0 | 0 |
| 81-09-16 | London | Builder's Supply | Unknown | 1,150,000 | 0 | 0 |
| 81-09-20 | Howland Twp. | Sawmill | Arson | 500,000 | 0 | 0 |

| Date | Fire Location | Property Classification | Cause - Known or Suspected | $ Loss | Deaths | Injuries |
|---|---|---|---|---|---|---|
| 81-09-21 | Hamilton | Machinery Plant | Part Failure | 1,500,000 | 0 | 0 |
| 81-10-03 | Nipissing Dist. | Church | Arson | 602,000 | 0 | 0 |
| 81-10-14 | Bexley Twp. | Sawmill | Unknown | 1,700,000 | 0 | 0 |
| 81-10-20 | Waterloo | Machinery Plant | Unknown | 1,000,000 | 0 | 1 |
| 81-10-26 | Huron Twp. | Dairy Plant | Misuse Source of Ignition | 1,500,000 | 0 | 0 |
| 81-10-30 | Terrace Bay Twp. | Paper, Pulp Plant | Mechanical/ Electrical Failure | 15,000,000 | 0 | 0 |
| 81-11-08 | Gwillimbury | Furniture Store | Unknown | 550,000 | 0 | 0 |
| 81-11-10 | Dundas | Sporting Goods Plant | Improper Storage | 500,000 | 0 | 0 |
| 81-11-09 | Kingsville | Clothing/Shoe Store | Unknown | 1,250,000 | 0 | 4 |
| 81-11-24 | Newmarket | School | Arson | 2,000,000 | 0 | 0 |
| 81-11-27 | Lincoln | Wood Cane Plant | Arson | 500,000 | 0 | 0 |
| 81-12-10 | West Carleton Twp. | Aircraft Hangars | Short Circuit | 850,000 | 0 | 0 |
| 81-12-13 | Almonte | Wood Fabric Plant | Arson | 850,000 | 0 | 3 |
| 81-12-16 | Thunder Bay | Bowling Alley | Unknown | 800,000 | 0 | 0 |
| 81-12-24 | Toronto | Hardware Store | Design/ Installation Deficiency | 965,000 | 0 | 8 |
| 81-12-29 | Aurora | Vehicle Sales and Service | Arson | 700,000 | 0 | 0 |

| Date | Fire Location | Property Classification | Cause - Known or Suspected | $ Loss | Deaths | Injuries |
|---|---|---|---|---|---|---|
| **PRINCE EDWARD ISLAND** | | | | | | |
| No fires reported in 1981 incurring a loss of $500,000 or over. | | | | | | |
| **QUEBEC** | | | | | | |
| The province of Quebec reported 60 fires incurring losses of $500,000 or over. Total loss in this category was $70,709,770 causing 7 deaths and 30 injuries. | | | | | | |
| **SASKATCHEWAN** | | | | | | |
| 81-03-03 | Moose Jaw | Variety Store | Unknown | 1,462,000 | 0 | 0 |
| 81-08-22 | Regina | Restaurant | Arson | 750,000 | 0 | 0 |
| 81-08-28 | Kyle | Grain Elevator | Unknown | 2,208,112 | 0 | 0 |
| 81-09-15 | Saskatoon | Restaurant | Unknown | 1,000,450 | 0 | 0 |
| 81-11-05 | Saskatoon | General Warehouse | Unknown | 700,000 | 0 | 0 |
| **YUKON TERRITORY** | | | | | | |
| 81-01-22 | Watson Lake | Hotel | Mechanical Installation Deficiency | 1,650,000 | 0 | 0 |
| 81-12-18 | Old Crow | School | Unknown | 2,000,000 | 0 | 0 |
| **NORTHWEST TERRITORIES** | | | | | | |
| 81-03-21 | Resolute Bay | Mercantile Store | Matches - Human Error | 405,000 | 0 | 0 |
| 81-06- | Unsettled | Helicopter | Exposed to Forest Fire | 500,000 | 0 | 0 |
| 81-08-21 | Unsettled | Drill Rig. | Welding and Cutting | 2,500,000 | 0 | 0 |

## APPENDIX

## PROVINCIAL FIRE MARSHALS AND FIRE COMMISSIONERS

Mr. J.N. Cardoulis
Provincial Fire Commissioner
Department of Justice
Pleasantville Fire Station
St. John's, Newfoundland
A1C 5T7

Mr. C.R. Kennedy
Provincial Fire Marshal
Department of Municipal Affairs
P.O. Box 2000
Charlottetown, P.E.I.
C1A 7N8

Mr. C. Findlay
Provincial Fire Marshal
Department of Labour
5151 Terminal Road
P.O. Box 697
Halifax, N.S.
B3J 2T8

Mr. G. Elliott
Provincial Fire Marshal
Department of Labour
470 York Street
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Rapport annuel

# 1981

Pertes causées par
l'incendie au Canada

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Fire Commissioner of Canada | Commissaire des incendies du Canada

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OTTAWA, le 15 avril 1983

AU PRÉSIDENT ET AUX MEMBRES DE L'ASSOCIATION CANADIENNE DES DIRECTEURS PROVINCIAUX ET DES COMMISSAIRES DES INCENDIES

Il me fait plaisir de présenter le rapport annuel des pertes causées par l'incendie au Canada pour 1981. Ceci représente la 60e édition qui a été promulguée et qui est disponible, pour votre gouverne, aux chefs des incendies et aux autres autorités compétentes à l'intérieur de votre juridiction. Les sources d'information pour les données de ce rapport parviennent de l'Association canadienne des directeurs provinciaux et des commissaires des incendies ainsi que de Statistique Canada.

Tout comme dans le rapport de 1980, nous avons été capable de combiner les données fournies par ceux qui utilisent le système informatique avec les données de d'autres qui continuent d'utiliser un système manuel. Ceci n'a pas été accompli sans certaines difficultés de l'ordre de conversion de système informatique qui ont résulté dans certain délais; toutefois nous espérons surmonter ces problèmes avec une expérience accrue. A cet effet l'on s'efforce présentement à concevoir un format de rapport normalisé qui faciliterait la procédure pour tous ceux qui ont accès à des systèmes d'informatiques. Seul l'information requise pour le rapport annuel sera requise avec certains changements subséquents qui seront effectués lorsque requis et lorsque votre Association en aura convenu.

Il y a un changement digne de mention dans la disposition de cette 60e édition du rapport. Plutôt que de continuer à utiliser une méthode de bilinguisme intégrée, il fut décider d'utiliser une formule de texte disposé tête-bêche qui est semblable, comme vous le savez, à la méthode utiliser pour le rapport sur les pertes dues à l'incendie des biens immobiliers de l'administration du gouvernement du Canada. Nous espérons que ceci facilitera les choses à ceux qui consultent ce rapport.

Ce rapport présente une vue globale des statistiques de pertes causées par l'incendie qui nous ont été soumises. Je désire souligner l'importance du besoin de recherche que nous devrons faire tous, individuellement et collectivement, pour trouver des moyens additionnels pour recueillir des statistiques de pertes causées par l'incendie d'une manière aussi significative et uniformisée que possible. L'on a déjà fait des progrès dans ce domaine et l'on continue de le faire, et nous sommes tous d'accord pour dire que ceci représente la pierre angulaire d'un programme de sécurité-incendie vibrant et effectif.

Canada

Je désire profiter de l'occasion pour exprimer mon appréciation aux membres de l'Association canadienne des directeurs provinciaux et des commissaires des incendies pour leur coopération à faire de ce rapport un rapport exact sur les pertes causées par l'incendie au Canada.

Je vous prie d'agréer, Messieurs, l'assurance de ma considération distinguée.

G.A. Hope

G.A. Hope
Commissaire des incendies du Canada

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## LE BILAN

Lorsqu'on compare les pertes dûes à l'incendie au Canada en 1981 à celles de l'année précédente, il apparaît qu'une certaine note d'optimisme est justifiée dans certains secteurs. D'une manière générale, nous notons une réduction significative de pertes de vies causées par l'incendie, du nombre d'incendies et des pertes matérielles causées par l'incendie. Ces réductions arrivent à un moment où, dû à l'inflation et aux conditions adverses d'économie, de pertes plus grandes nous apparaissaient éminentes; nous espérons que la spirale ascendente est renversée.

Un examen plus minutieux des données sur les pertes d'incendies de l'année 1981, lorsque comparées à 1980, révèle qu'il y a eu 694 pertes de vies, une réduction de 139 ou de 17%; ceci est particulièrement notoire car ça représente le plus bas niveau depuis 1970 alors que le nombre de pertes de vies causées par l'incendie commençait à augmenter annuellement, de façon régulière. Plus d'hommes que de femmes sont décédés suite à un incendie, soit 393 hommes comparativement à 197 femmes; il y eu aussi 96 enfants et 8 sapeurs-pompiers, ce qui ressemble aux pertes d'incendies de l'année 1980 sauf pour les enfants, là où la réduction est de l'ordre de 50% comparativement à l'an passé.

Les blessures causées par l'incendie ont augmenté de 13%, passant à un total de 3 840. Ce sont les hommes (1 174) et les sapeurs-pompiers (1 208) qui, encore cette année, ont écopé du plus grand nombre des blessures en 1981, le rapport étant relativement le même pour 1980 dans cette catégorie, représentant environ deux tiers (2/3) de toutes les blessures.

Le nombre d'incendies régresse à 79 263 incendies, ce qui représente une diminution de 6 167 incendies ou 7% de moins que l'année précédente. Les pertes matérielles ne s'élèvent plus qu'à 905 422 511 $, représentant une diminution de 73 564 197 $ ou 7,5% de pertes réelles comparativement à l'an passé.

De tous les genres de destination de bâtiments, c'est toujours dans le secteur de l'habitation résidentielle que l'on retrouve le plus grand nombre d'incendies, soit 36 593 en 1981, représentant une perte matérielle de 341 329 820 $. Toutefois, ceci représente 9% de moins d'incendies que l'année précédente même si les pertes matérielles représentées en dollars sont quelque plus élevées; comme on pouvait s'y attendre, 85% de toutes les pertes de vies causées par l'incendie sont attribuables à cette classification. Dans les autres genres de destination de bâtiments, on n'y trouve que des variations négligeables soit dans le nombre des incendies ou soit dans les pertes matérielles.

En examinant le tableau des pertes d'incendies par source d'inflamation, l'on constate que 19 700 incendies ou 25% de tous les incendies au Canada représentant une perte monétaire de 200 969 141 $ est attribuable aux "articles de fumeurs et à la flamme nue". De ce total, 7 271 incendies représentant des pertes de 46 377 490 $ sont attribuables aux "articles de fumeurs" et de plus 7 490 incendies dans ce même tableau, quoique que classifiés comme étant une "cause indéterminée", sont possiblement en bonne part causés par les "articles de fumeurs".

La deuxième cause d'importance a été identifiée comme "le matériel électrique du réseau de distribution". On y compte 10 215 incendies pour une perte matérielle de 114 948 385 $ attribuée à cette cause. Ces chiffres ne diffèrent pas de façon significative à ceux de 1980.

Les données au tableau 7, "Acte ou omission causant les incendies", sont presque identiques à ceux du dernier rapport, les "défectuosités mécaniques ou électriques" étant responsables du plus grand nombre, soit 20 807 incendies représentant une perte matérielle de 216 799 426 $, ou approximativement 25% des pertes totales. Dans l'ordre d'importance, l'on constate que 17 444 incendies représentant une perte matérielle de 128 021 533 $ sont causés par le mauvais usage de la source d'inflammation. Toujours en ordre décroissant d'importance, l'on constate que 10 927 incendies sont classifiés comme des "incendies criminels ou autres incendies volontaires" représentant 14% de toutes les incendies, mais les pertes matérielles attribuables à cette cause sont de 178 271 872 $, sensiblement la même chose que l'an passé, quoique ceci dépasse largement les pertes matérielles causées par les incendies attribuables au mauvais usage de la source d'inflammation mentionnée plus haut.

Selon Statistiques Canada, il y eu une augmentation de 2,5% d'incendies criminels et tentatives d'incendies criminels et il y eu 9 613 enquêtes comparativement à 9 379 en 1980. Les procédures judiciaires ont été intentées dans 2 421 cas, ou 25%, soit un pourcentage quelque peu plus bas que l'an passé.

Tel qu'indiqué au début, le bilan de 1981 contient des données qui sont très encourageantes. Il y eu réduction dans le nombre d'incendies, moins de pertes matérielles et évidemment une amélioration plus marquée dans le nombre de pertes de vies, 139 de moins que l'an passé. Les organismes de sécurité incendie envisagent ces résultats avec optimisme surtout si l'on considère que l'inventaire des biens immobiliers a augmenté, qu'il y eu dans plusieurs cas des restrictions économiques sérieuses qui ont inévitablement eu des répercussions sur les ressources, et enfin des méthodes améliorées pour garantir que tous les incendies soient rapportés. Nous espérons que cette tendance à la baisse continuera et ainsi contribuera à faire en sorte que le Canada puisse s'approcher de ces pays qui ont un taux de pertes causées par l'incendie comparativement plus bas que le nôtre.

## SOMMAIRE 1972-1981

**TABLEAU 1(a) SINISTRES-INCENDIE ET PERTES DE VIE DÛES À L'INCENDIE AU CANADA**

| Année | Population | Nombre d'incendies | Pertes | Par habitant | Pertes de vie | Taux* de mortalité |
|---|---|---|---|---|---|---|
| | | | $ | $ | | |
| 1972 | 21,820,000 | 78,895 | 254,266,623 | 11.65 | 830 | 3.81 |
| 1973 | 22,095,000 | 74,479 | 338,219,141 | 15.31 | 725 | 3.28 |
| 1974 | 22,446,000 | 73,764 | 428,779,153 | 19.10 | 920 | 4.10 |
| 1975 | 23,110,000 | 69,881 | 463,814,403 | 20.07 | 822 | 3.55 |
| 1976 | 23,306,000 | 69,651 | 503,894,438 | 21.63 | 856 | 3.67 |
| 1977 | 23,343,000 | 74,043 | 571,664,756 | 24.49 | 811 | 3.47 |
| 1978 | 23,598,000 | 75,292 | 654,921,917 | 27.75 | 844 | 3.58 |
| 1979 | 23,914,400 | 83,107 | 756,427,141 | 31.63 | 733 | 3.06 |
| 1980 | 24,088,500 | 85,530 | 978,986,708 | 40.64 | 833 | 3.45 |
| 1981 | 24,213,000 | 79,263 | 905,422,511 | 37.39 | 694 | 2.87 |
| TOTAL | | 763,905 | 5,856,396,171 | 24.96** | 8,068 | 3.48 |

* Le taux de mortalité est le nombre de décès causés par le feu par 100,000 habitants par année.

** Moyenne de dix ans.

**TABLEAU 1(b) SINISTRES-INCENDIE DU GOUVERNEMENT DU CANADA**

| Année | Nombre d'incendies | Pertes |
|---|---|---|
| | | $ |
| 1972 | 1,103 | 4,732,024 |
| 1973 | 1,074 | 3,852,862 |
| 1974 | 930 | 4,995,506 |
| 1975 | 865 | 3,951,417 |
| 1976 | 874 | 15,148,323 |
| 1977 | 780 | 6,918,161 |
| 1978 | 819 | 4,526,389 |
| 1979 | 831 | 6,550,707 |
| 1980 | 812 | 5,922,472 |
| 1981 | 750 | 15,071,263 |
| TOTAL | 8,838 | 71,669,124 |

Note: 1974 à 1981 excluant les données sur les corporations de propriétaire.

Figure 1 PERTES MATÉRIELLES

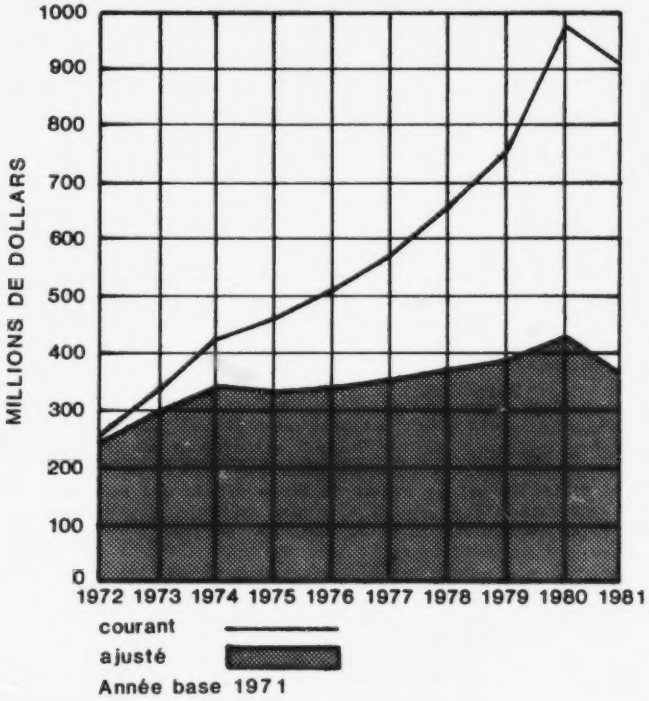
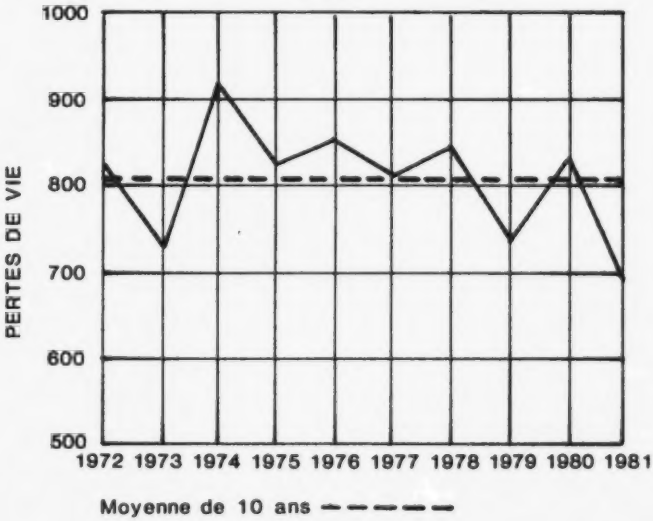



Figure 2 PERTES DE VIE



## PERTES PAR PROVINCE - 1981 ET MOYENNE DE 10 ANS

**TABLEAU 2 SINISTRES-INCENDIE PAR PROVINCES**

| Province | * Population (Juillet 1981) | Nombre d'incendies 1981 | Nombre d'incendies Moyenne de dix ans | Pertes 1981 | Pertes Moyenne de dix ans | Pertes par habitant 1981 | Pertes par habitant Moyenne de dix ans |
|---|---|---|---|---|---|---|---|
| | | | | $ | $ | $ | $ |
| Alberta | 2,465,900 | 11,161 | 9,372 | 84,894,794 | 61,961,146 | 34.43 | 30.63 |
| Colombie-Britannique | 2,714,900 | 7,023 | 7,473 | 115,992,986 | 75,952,875 | 42.72 | 30.16 |
| Manitoba | 1,031,700 | 6,696 | 5,957 | 36,127,204 | 27,498,320 | 35.02 | 26.73 |
| Nouveau-Brunswick | 710,900 | 1,336 | 1,335 | 20,503,938 | 16,423,379 | 23.10 | 23.15 |
| Terre-Neuve | 586,600 | 891 | 790 | 15,219,125 | 11,440,844 | 25.9 | 20.29 |
| Nouvelle-Écosse | 858,000 | 2,870 | 2,269 | 40,294,590 | 19,095,723 | 46.96 | 22.67 |
| Ontario | 8,631,300 | 25,173 | 24,897 | 235,750,619 | 158,082,624 | 27.31 | 18.83 |
| Île du Prince-Édouard | 124,400 | 627 | 505 | 5,129,493 | 2,770,927 | 41.23 | 22.76 |
| Québec | 6,343,100 | 19,907 | 20,453 | 307,451,806 | 186,320,628 | 48.47 | 26.47 |
| Saskatchewan | 981,100 | 3,303 | 2,836 | 32,205,813 | 20,311,180 | 32.83 | 21.22 |
| Yukon | 21,900 | 113 | 102 | 5,853,176 | 1,386,551 | 267.26 | 38.94 |
| Territoires du Nord-Ouest | 43,200 | 163 | 227 | 5,998,967 | 3,691,125 | 138.86 | 169.09 |
| CANADA | 24,213,000 | 79,263 | 76,390 | 905,422,511 | 585,639,617 | 37.39 | 24.96 |

* Recensement officiel de la population, publié par Statistique Canada.

**TABLEAU 3 SINISTRES-INCENDIE PAR GENRE DE DESTINATION DE BÂTIMENTS**

**3(a) Immeubles d'habitation**

| Province | 1981 Nombre d'incendies | 1981 % | 1981 Pertes | 1981 % | Moyenne de dix ans 1972 - 1981 Nombre d'incendies | Moyenne de dix ans 1972 - 1981 % | Moyenne de dix ans 1972 - 1981 Pertes | Moyenne de dix ans 1972 - 1981 % |
|---|---|---|---|---|---|---|---|---|
| | | | $ | | | | $ | |
| Alberta | 3,508 | 31.43 | 24,111,893 | 28.40 | 3,558 | 39.11 | 16,098,643 | 27.07 |
| Colombie-Britannique | 2,747 | 39.11 | 42,916,901 | 36.99 | 3,054 | 40.75 | 28,005,180 | 36.17 |
| Manitoba | 2,266 | 38.84 | 13,863,146 | 38.37 | 2,045 | 35.12 | 9,140,933 | 30.47 |
| Nouveau-Brunswick | 611 | 45.73 | 9,518,277 | 46.42 | 975 | 74.24 | 8,890,009 | 52.95 |
| Terre-Neuve | 530 | 59.48 | 7,323,061 | 48.11 | 411 | 57.03 | 4,748,994 | 37.88 |
| Nouvelle-Écosse | 1,722 | 60.91 | 11,548,500 | 28.65 | 1,424 | 63.37 | 6,937,106 | 41.18 |
| Ontario | 11,469 | 45.56 | 81,989,831 | 34.77 | 13,789 | 55.15 | 55,005,396 | 33.94 |
| Île de Prince-Édouard | 412 | 65.70 | 1,971,194 | 38.42 | 318 | 62.96 | 1,242,556 | 45.47 |
| Québec | 11,906 | 59.80 | 132,859,901 | 43.21 | 13,384 | 59.76 | 75,261,601 | 39.46 |
| Saskatchewan | 1,264 | 38.26 | 10,703,113 | 33.23 | 1,406 | 50.77 | 6,318,438 | 31.92 |
| Yukon | 62 | 54.86 | 2,976,017 | 50.84 | 53 | 51.09 | 682,176 | 48.42 |
| Territoires du Nord-Ouest | 96 | 58.89 | 1,547,986 | 25.80 | 123 | 54.23 | 1,228,100 | 35.25 |
| CANADA | 36,593 | 46.17 | 341,329,820 | 37.70 | 40,553 | 53.30 | 213,011,614 | 35.56 |

Les pourcentages dans le tableau 3 se rapportent aux totaux provinciaux.

### 3(b) Habitation - Détail

| Genre de destination de bâtiments | Incendies | Pertes | Blessés | Mortalités |
|---|---|---|---|---|
| | | $ | | |
| Habitation individuelle ou double | 26,994 | 232,499,429 | 1,376 | 413 |
| Appartement, logement | 6,142 | 45,838,898 | 756 | 88 |
| Maison de rapport, pension, hôtellerie | 264 | 2,837,866 | 70 | 15 |
| Hôtel, auberge, établissement de villégiature | 696 | 27,666,256 | 168 | 27 |
| Motel-hôtel, motel | 230 | 4,432,883 | 11 | 11 |
| Dortoir | 125 | 5,898,416 | 7 | 1 |
| Maison mobile, roulotte | 1,352 | 12,349,505 | 87 | 33 |
| Divers | 790 | 9,806,567 | 4 | 2 |
| TOTAL | 36,593 | 341,329,820 | 2,479 | 590 |

### 3(c) Établissements de réunion

| Province | Nombre d'incendies | % | Pertes | % |
|---|---|---|---|---|
| | | | $ | |
| Alberta | 288 | 2.58 | 5,658,480 | 6.66 |
| Colombie-Britannique | 251 | 3.57 | 9,802,748 | 8.45 |
| Manitoba | 127 | 1.89 | 4,253,717 | 11.77 |
| Nouveau-Brunswick | 26 | 1.94 | 1,378,602 | 6.72 |
| Terre-Neuve | 26 | 3.29 | 2,258,037 | 14.83 |
| Nouvelle-Écosse | 32 | 1.11 | 406,106 | 1.00 |
| Ontario | 920 | 3.65 | 13,557,061 | 5.75 |
| Île du Prince-Édouard | 16 | 2.55 | 1,264,086 | 24.64 |
| Québec | 727 | 3.65 | 37,013,475 | 12.03 |
| Saskatchewan | 81 | 2.45 | 3,007,673 | 9.33 |
| Yukon | 4 | 3.53 | 2,000,250 | 34.17 |
| Territoires du Nord-Ouest | 11 | 6.74 | 114,620 | 1.91 |
| CANADA | 2,509 | 3.17 | 80,714,855 | 8.91 |

### 3(d) Établissements de réunion - Détail

| Genre de destination de bâtirents | Incendies | Pertes | Blessés | Mortalités |
|---|---|---|---|---|
| | | $ | | |
| Salles de spectacle, studios, auditoriums | 58 | 2,187,949 | 6 | 0 |
| Établissements de loisir et de récréation (à l'exclusion des cercles sociaux et sportifs) | 305 | 4,635,712 | 16 | 0 |
| Écoles, collèges, universités | 657 | 21,411,546 | 32 | 0 |
| Églises, salons funéraires | 167 | 10,769,156 | 13 | 0 |
| Clubs sociaux et sportifs | 156 | 3,556,095 | 12 | 1 |
| Musées, galeries d'art, bibliothèques | 15 | 208,654 | 0 | 0 |
| Établissements de restauration ou de boissons | 980 | 35,626,305 | 76 | 6 |
| Divers | 171 | 2,319,438 | 1 | 0 |
| TOTAL | 2,509 | 80,714,855 | 156 | 7 |

### 3(e) Institutionnel

| Province | Nombre d'incendies | % | Pertes | % |
|---|---|---|---|---|
| | | | $ | |
| Alberta | 68 | 0.60 | 480,009 | 0.56 |
| Colombie-Britannique | 46 | 0.65 | 10,483,311 | 9.03 |
| Manitoba | 77 | 1.14 | 44,778 | 0.12 |
| Nouveau-Brunswick | 4 | 0.00 | 219,818 | 1.07 |
| Terre-Neuve | 0 | 0.00 | 0 | 0.00 |
| Nouvelle-Écosse | 37 | 0.00 | 149,574 | 0.37 |
| Ontario | 215 | 0.85 | 983,662 | 0.41 |
| Île du Prince-Édouard | 0 | 0.00 | 0 | 0.00 |
| Québec | 119 | 0.59 | 1,337,847 | 0.43 |
| Saskatchewan | 16 | 0.48 | 219,067 | 0.68 |
| Yukon | 0 | 0.00 | 0 | 0.00 |
| Territoires du Nord-Ouest | 0 | 0.00 | 0 | 0.00 |
| CANADA | 582 | 0.73 | 13,918,066 | 1.54 |

### 3(f) Institutionnel - Détail

| Genre de destination de bâtiments | Incendies | Pertes | Blessés | Mortalités |
|---|---|---|---|---|
| | | $ | | |
| Prisons, pénitenciers, maisons de correction | 18 | 10,364,661 | 1 | 0 |
| Foyers pour personnes âgées | 140 | 1,789,270 | 11 | 9 |
| Centres d'aide à l'enfance | 25 | 26,366 | 0 | 0 |
| Hôpitaux, sanatoriums, cliniques | 345 | 1,723,238 | 16 | 4 |
| Divers | 14 | 14,531 | 0 | 0 |
| TOTAL | 582 | 13,918,066 | 28 | 13 |

### 3(g) Bureaux (y compris services professionnels et personnels)

| Province | Nombre d'incendies | % | Pertes | % |
|---|---|---|---|---|
| | | | $ | |
| Alberta | 87 | 0.77 | 2,404,263 | 2.83 |
| Colombie-Britannique | 56 | 0.79 | 2,775,926 | 2.39 |
| Manitoba | 21 | 0.31 | 1,601,882 | 4.43 |
| Nouveau-Brunswick | 3 | 0.22 | 552,023 | 2.69 |
| Terre-Neuve | 6 | 0.67 | 255,259 | 1.67 |
| Nouvelle-Écosse | 9 | 0.31 | 260,204 | 0.64 |
| Ontario | 221 | 0.87 | 3,082,125 | 1.30 |
| Île du Prince-Édouard | 1 | 0.15 | 1,110 | 0.02 |
| Québec | 181 | 0.90 | 6,889,366 | 2.24 |
| Saskatchewan | 17 | 0.51 | 597,693 | 1.85 |
| Yukon | 2 | 1.76 | 224,560 | 3.83 |
| Territoires du Nord-Ouest | 4 | 2.45 | 109,550 | 1.82 |
| CANADA | 608 | 0.77 | 18,753,961 | 2.07 |

**3(h) Commerces**

| Province | Nombre d'incendies | % | Pertes | % |
|---|---|---|---|---|
| | | | $ | |
| Alberta | 243 | 2.17 | 6,404,662 | 7.54 |
| Colombie-Britannique | 159 | 2.26 | 12,181,830 | 10.50 |
| Manitoba | 100 | 1.49 | 3,059,014 | 8.46 |
| Nouveau-Brunswick | 28 | 2.09 | 1,102,414 | 5.37 |
| Terre-Neuve | 25 | 2.80 | 997,421 | 6.55 |
| Nouvelle-Écosse | 178 | 6.20 | 9,821,707 | 24.37 |
| Ontario | 700 | 2.78 | 19,861,427 | 8.42 |
| Île du Prince-Édouard | 32 | 5.10 | 1,203,656 | 22.46 |
| Québec | 866 | 4.35 | 33,284,729 | 10.82 |
| Saskatchewan | 58 | 1.75 | 5,061,585 | 15.71 |
| Yukon | 4 | 3.53 | 343,000 | 5.86 |
| Territoires du Nord-Ouest | 3 | 1.84 | 486,000 | 8.10 |
| CANADA | 2,396 | 3.02 | 93,807,445 | 10.36 |

**3(i) Industries**

| Province | Nombre d'incendies | % | Pertes | % |
|---|---|---|---|---|
| | | | $ | |
| Alberta | 190 | 1.70 | 11,857,119 | 13.96 |
| Colombie-Britannique | 197 | 2.80 | 9,113,028 | 7.85 |
| Manitoba | 106 | 1.58 | 1,655,292 | 4.58 |
| Nouveau-Brunswick | 23 | 1.72 | 3,755,458 | 18.31 |
| Terre-Neuve | 7 | 0.78 | 933,500 | 6.13 |
| Nouvelle-Écosse | 10 | 0.34 | 15,955,064 | 39.59 |
| Ontario | 905 | 3.59 | 46,871,327 | 19.90 |
| Île du Prince-Édouard | 3 | 0.47 | 80,526 | 1.56 |
| Québec | 556 | 2.79 | 36,789,689 | 11.96 |
| Saskatchewan | 27 | 0.81 | 276,976 | 0.86 |
| Yukon | 8 | 7.07 | 124,087 | 2.11 |
| Territoires du Nord-Ouest | 0 | 0.00 | 0 | 0.00 |
| CANADA | 2,032 | 2.56 | 127,412,066 | 14.07 |

### 3(j) Entrepôts

| Province | Nombre d'incendies | % | Pertes | % |
|---|---|---|---|---|
| | | | $ | |
| Alberta | 572 | 5.12 | 10,953,856 | 12.90 |
| Colombie-Britannique | 325 | 4.62 | 7,942,753 | 6.84 |
| Manitoba | 253 | 3.77 | 4,409,743 | 12.20 |
| Nouveau-Brunswick | 28 | 2.09 | 956,080 | 4.66 |
| Terre-Neuve | 40 | 4.48 | 276,415 | 1.81 |
| Nouvelle-Écosse | 88 | 3.06 | 614,280 | 1.52 |
| Ontario | 1,151 | 4.57 | 20,975,618 | 8.89 |
| Île du Prince-Édouard | 5 | 0.79 | 89,959 | 1.75 |
| Québec | 423 | 2.12 | 17,392,384 | 5.65 |
| Saskatchewan | 193 | 5.84 | 5,612,303 | 17.42 |
| Yukon | 0 | 0.00 | 0 | 0.00 |
| Territoires du Nord-Ouest | 9 | 5.52 | 264,050 | 4.40 |
| CANADA | 3,087 | 3.89 | 69,487,441 | 7.67 |

### 3(k) Risques d'extérieurs, véhicules

| Province | Nombre d'incendies | % | Pertes | % |
|---|---|---|---|---|
| | | | $ | |
| Alberta | 5,540 | 49.63 | 12,623,650 | 14.86 |
| Colombie-Britannique | 2,643 | 37.63 | 13,314,075 | 11.47 |
| Manitoba | 3,497 | 52.22 | 3,266,203 | 9.04 |
| Nouveau-Brunswick | 531 | 39.74 | 1,744,963 | 8.51 |
| Terre-Neuve | 255 | 28.61 | 3,156,732 | 20.74 |
| Nouvelle-Écosse | 707 | 24.63 | 753,487 | 1.86 |
| Ontario | 7,831 | 31.10 | 23,575,200 | 9.99 |
| Île du Prince-Édouard | 130 | 20.73 | 264,623 | 5.15 |
| Québec | 4,246 | 21.32 | 20,381,142 | 6.62 |
| Saskatchewan | 1,454 | 44.02 | 4,773,983 | 14.82 |
| Yukon | 33 | 29.20 | 185,262 | 3.16 |
| Territoires du Nord-Ouest | 34 | 20.85 | 3,382,156 | 56.37 |
| CANADA | 26,901 | 33.94 | 87,421,476 | 9.66 |

**3(l) Risques d'extérieurs, véhicules - Détail**

| Occupation | Incendies | Pertes | Blessés | Mortalités |
|---|---|---|---|---|
| | | $ | | |
| Propriétés à ciel ouvert | 5,178 | 853,570 | 28 | 7 |
| Embarcations | 223 | 4,855,191 | 8 | 3 |
| Rail, véhicules et matériel de transport | 153 | 1,170,327 | 0 | 0 |
| Véhicules de transport terrestre | 19,058 | 37,166,007 | 155 | 34 |
| Avion | 15 | 1,084,643 | 4 | 1 |
| Divers | 2,274 | 42,291,738 | 115 | 4 |
| TOTAL | 26,901 | 87,421,476 | 310 | 49 |

**3(m) Propriétés agricoles**

| Province | Nombre d'incendies | % | Pertes | % |
|---|---|---|---|---|
| | | | $ | |
| Alberta | 253 | 2.26 | 2,055,058 | 2.42 |
| Colombie-Britannique | 18 | 0.25 | 296,572 | 0.25 |
| Manitoba | 111 | 1.65 | 2,604,253 | 7.20 |
| Nouveau-Brunswick | 17 | 1.27 | 165,116 | 0.80 |
| Terre-Neuve | 1 | 0.11 | 14,500 | 0.09 |
| Nouvelle-Écosse | 47 | 1.63 | 386,741 | 0.95 |
| Ontario | 402 | 1.59 | 17,433,942 | 7.39 |
| Île du Prince-Édouard | 22 | 3.50 | 237,203 | 4.62 |
| Québec | 335 | 1.68 | 16,780,992 | 5.45 |
| Saskatchewan | 92 | 2.78 | 1,175,219 | 3.64 |
| Yukon | 0 | 0.00 | 0 | 0.00 |
| Territoires du Nord-Ouest | 0 | 0.00 | 0 | 0.00 |
| CANADA | 1,298 | 1.63 | 41,149,596 | 4.54 |

3(a) Risques divers

| Province | Nombre d'incendies | % | Pertes | % |
|---|---|---|---|---|
| | | | $ | |
| Alberta | 665 | 5.95 | 10,400,862 | 12.25 |
| Colombie-Britannique | 599 | 8.52 | 7,462,414 | 6.43 |
| Manitoba | 249 | 3.71 | 3,973,429 | 10.99 |
| Nouveau-Brunswick | 82 | 6.13 | 1,276,303 | 6.22 |
| Terre-Neuve | 2 | 0.22 | 18,700 | 0.09 |
| Nouvelle-Écosse | 87 | 3.03 | 785,668 | 1.94 |
| Ontario | 1,761 | 6.99 | 24,854,368 | 10.54 |
| Île du Prince-Édouard | 28 | 4.46 | 254,339 | 4.95 |
| Québec | 883 | 4.43 | 21,503,273 | 6.99 |
| Saskatchewan | 193 | 5.84 | 1,953,420 | 9.62 |
| Yukon | 0 | 0.00 | 0 | 0.00 |
| Territoires du Nord-Ouest | 6 | 3.68 | 94,605 | 1.57 |
| CANADA | 4,555 | 5.73 | 72,577,381 | 8.02 |

TABLEAU 4 TENTATIVES ET CRIMES D'INCENDIE 1981

| Province | Incendiaire soupçonné ou connu | Sans fondement | Nombre réel | Infractions rejetées | | Personnes accusées | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Par accusation | Autrement | Adultes | | Jeunes | | Jeunes non accusés |
| | | | | | | H | F | H | F | |
| Alberta | 867 | 94 | 773 | 117 | 94 | 84 | 13 | 40 | 3 | 115 |
| Colombie-Britannique | 1,339 | 91 | 1,248 | 112 | 144 | 96 | 10 | 55 | 5 | 55 |
| Manitoba | 384 | 52 | 332 | 76 | 36 | 47 | 7 | 26 | 0 | 32 |
| Nouveau-Brunswick | 450 | 47 | 403 | 56 | 14 | 61 | 2 | 10 | 1 | 3 |
| Terre-Neuve | 118 | 14 | 104 | 33 | 9 | 25 | 2 | 21 | 2 | 9 |
| Nouvelle-Écosse | 548 | 85 | 463 | 73 | 29 | 71 | 7 | 18 | 0 | 2 |
| Ontario | 2,908 | 174 | 2,734 | 484 | 291 | 326 | 50 | 81 | 13 | 484 |
| Île du Prince-Édouard | 43 | 1 | 42 | 8 | 5 | 9 | 2 | 1 | 0 | 1 |
| Québec | 4,726 | 1,579 | 3,147 | 495 | 250 | 513 | 54 | 181 | 10 | 89 |
| Saskatchewan | 380 | 60 | 320 | 44 | 33 | 45 | 3 | 12 | 0 | 52 |
| Yukon | 21 | 2 | 19 | 1 | 5 | 0 | 0 | 0 | 1 | 4 |
| Territoires du Nord-Ouest | 32 | 4 | 28 | 5 | 5 | 6 | 0 | 0 | 0 | 4 |
| CANADA | 11,816 | 2,203 | 9,613 | 1,506 | 915 | 1,283 | 150 | 445 | 35 | 850 |

**TABLEAU 5 PERTES D'INCENDIE PAR SOURCE D'INFLAMMATION**

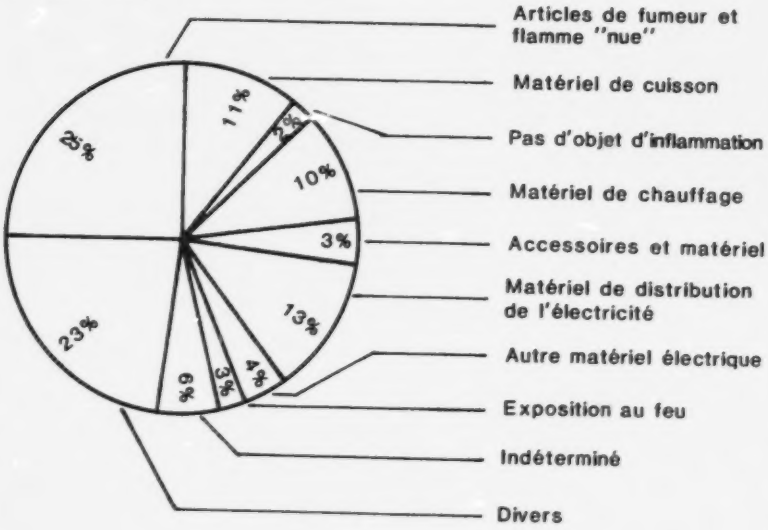
| Source d'inflammation (Objet de l'inflammation) | Nombre d'incendies | Pertes $ | Blessés* | | | | | Décès* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SP | H | F | E | Non classés | SP | H | F | E | Non classés |
| Pas d'objet d'inflammation (par ex. Foudre) | 1,423 | 11,808,561 | 212 | 10 | 4 | 0 | 1 | 1 | 8 | 4 | 0 | 0 |
| Appareil de cuisson | 8,427 | 39,197,776 | 65 | 177 | 136 | 29 | 157 | 0 | 25 | 15 | 15 | 0 |
| Appareil de chauffage | 8,110 | 71,569,187 | 92 | 106 | 32 | 20 | 57 | 0 | 32 | 15 | 6 | 0 |
| Appareils et outillage | 3,025 | 20,811,482 | 14 | 14 | 8 | 3 | 0 | 1 | 9 | 2 | 3 | 0 |
| Matériel électrique du réseau de distribution | 10,215 | 114,948,385 | 68 | 87 | 18 | 1 | 96 | 1 | 20 | 18 | 7 | 0 |
| Autre matériel électrique | 3,333 | 31,906,177 | 32 | 38 | 22 | 2 | 17 | 0 | 6 | 2 | 9 | 0 |
| Articles de fumeur et flamme "nue": | | | | | | | | | | | | |
| Articles de fumeur | 7,221 | 46,377,490 | 49 | 178 | 83 | 32 | 3 | 0 | 57 | 31 | 6 | 0 |
| Allumettes, briquet (non utilisés par le fumeur), lampes, chandelles, bougies | 3,481 | 17,888,165 | 34 | 39 | 20 | 16 | 0 | 0 | 6 | 2 | 10 | 0 |
| Chalumeau à découper, matériel de soudure, autres chalumeaux | 1,065 | 30,598,889 | 24 | 45 | 1 | 1 | 0 | 0 | 2 | 1 | 0 | 0 |
| Cendres chaudes, tisons (articles autres que pour fumeur) | 443 | 2,900,202 | 2 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Articles de fumeur ou flamme "nue" | 7,490 | 103,204,395 | 129 | 167 | 78 | 17 | 310 | 0 | 65 | 32 | 4 | 0 |
| Feu provenant du voisinage | 2,015 | 17,058,412 | 22 | 16 | 5 | 1 | 1 | 0 | 1 | 1 | 0 | 0 |
| Divers | 18,556 | 271,299,587 | 444 | 286 | 78 | 17 | 0 | 1 | 101 | 54 | 13 | 0 |
| Indéterminé | 4,459 | 125,853,803 | 21 | 5 | 11 | 4 | 156 | 4 | 61 | 20 | 23 | 0 |
| TOTAL | 79,263 | 905,422,511 | 1,208 | 1,174 | 517 | 143 | 798 | 8 | 393 | 197 | 96 | 0 |

*
S.P. - Sapeur-pompier
H - Homme
F - Femme
E - Enfant

# SOURCE D'INFLAMMATION
# 1981

## NOMBRE D'INCENDIES

Figure 3(a)




## PERTES

Figure 3(b)

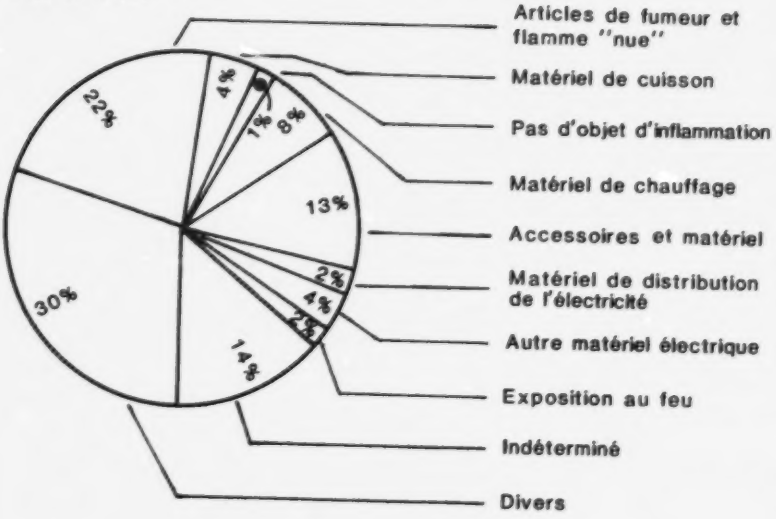


**TABLEAU 6(a) PERTES DE VIE DU FAIT D'INCENDIES PAR PROVINCE**

1981 Données de dix ans

| Province | Hommes | Femmes | Enfants | Pompiers | Total | Taux de mortalité* | Total | Taux |
|---|---|---|---|---|---|---|---|---|
| Alberta | 50 | 13 | 8 | 1 | 72 | 2.92 | 777 | 4.06 |
| Colombie-Britannique | 42 | 21 | 13 | 0 | 76 | 2.80 | 1,065 | 4.27 |
| Manitoba | 25 | 15 | 12 | 0 | 52 | 5.04 | 499 | 4.87 |
| Nouveau-Brunswick | 14 | 4 | 0 | 0 | 18 | 2.53 | 332 | 4.83 |
| Terre-Neuve | 7 | 4 | 5 | 0 | 16 | 2.73 | 221 | 3.94 |
| Nouvelle-Écosse | 13 | 2 | 6 | 0 | 21 | 2.45 | 335 | 4.03 |
| Ontario | 129 | 85 | 2 | 1 | 217 | 2.51 | 2,472 | 3.03 |
| Île du Prince-Édouard | 1 | 0 | 0 | 0 | 1 | 0.80 | 57 | 4.69 |
| Québec | 94 | 42 | 36 | 6 | 178 | 2.81 | 1,786 | 2.85 |
| Saskatchewan | 15 | 7 | 11 | 0 | 33 | 3.36 | 375 | 3.97 |
| Yukon | 3 | 0 | 0 | 0 | 3 | 13.69 | 25 | 12.17 |
| Territoires du Nord-Ouest | 0 | 4 | 3 | 0 | 7 | 16.20 | 97 | 24.21 |
| CANADA | 393 | 197 | 96 | 8 | 694 | 2.87 | 8,068 | 3.48 |

* Le taux de mortalité est le nombre de décès par le feu par 100,000 habitants par année.

**TABLEAU 6(b) BLESSÉS DU FAIT D'INCENDIES PAR PROVINCE - 1981****

| Province | Hommes | Femmes | Enfants | Pompiers | Non classés | Total | Taux de mortalit |
|---|---|---|---|---|---|---|---|
| Alberta | 234 | 60 | 28 | 55 | 0 | 377 | 15.29 |
| Colombie-Britannique | 100 | 55 | 54 | 40 | 0 | 249 | 9.17 |
| Manitoba | 97 | 48 | 32 | 55 | 0 | 232 | 22.49 |
| Nouveau-Brunswick | 26 | 2 | 0 | 0 | 0 | 28 | 3.93 |
| Terre-Neuve | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| Nouvelle-Écosse | 35 | 14 | 7 | 75 | 0 | 131 | 15.27 |
| Ontario | 648 | 315 | 4 | 972 | 4 | 1,943 | 22.51 |
| Ile du Prince-Édouard | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| Québec | 0 | 0 | 0 | 0 | 794 | 794 | 12.51 |
| Saskatchewan | 25 | 18 | 17 | 7 | 0 | 67 | 6.83 |
| Yukon | 2 | 2 | 0 | 3 | 0 | 7 | 31.96 |
| Territoires du Nord-Ouest | 7 | 3 | 1 | 1 | 0 | 12 | 27.77 |
| CANADA | 1,174 | 517 | 143 | 1,208 | 798 | 3,840 | 15.85 |

* Le taux de blessés est le nombre de blessés par le feu par 100,000 habitants par année.
** Nouveau Tableau - Aucune comparaison.

**TABLEAU 7 ACTE OU OMISSION CAUSANT LES INCENDIES - 1981**

| Acte ou omission | Nombre d'incendies | $ Pertes | Blessées* | | | | | Mortalités* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SP | H | G | E | Non classé | SP | H | F | E | Non classé |
| Incendies criminels et autres incendies volontaires: | | | | | | | | | | | | |
| Incendies criminels/incendie criminel soupçonné | 2,052 | 52,963,602 | 17 | 6 | 2 | 5 | 0 | 0 | 2 | 3 | 1 | 0 |
| Autres incendies volontaires | 8,875 | 125,308,270 | 222 | 72 | 27 | 3 | 121 | 1 | 23 | 7 | 2 | 0 |
| Mauvais usage de la source d'inflammation: | | | | | | | | | | | | |
| Indéterminé | 188 | 2,295,158 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Articles de fumeur | 6,438 | 49,703,967 | 104 | 236 | 113 | 18 | 3 | 0 | 106 | 49 | 6 | 0 |
| Enfant jouant avec... | 2,378 | 8,821,478 | 21 | 30 | 25 | 29 | 0 | 0 | 9 | 7 | 11 | 0 |
| Divers | 8,440 | 67,200,930 | 107 | 140 | 57 | 9 | 346 | 0 | 49 | 23 | 13 | 0 |
| Mauvais usage du matériel enflammé | 3,658 | 41,684,347 | 50 | 193 | 77 | 15 | 32 | 0 | 11 | 7 | 2 | 0 |
| Défectuosité mécanique ou électrique | 20,807 | 216,799,426 | 141 | 142 | 56 | 17 | 134 | 2 | 31 | 27 | 13 | 0 |
| Lacunes de construction, de conception ou d'installation | 2,652 | 38,384,408 | 42 | 22 | 7 | 4 | 15 | 0 | 9 | 8 | 3 | 0 |
| Mauvais usage du matériel | 897 | 6,287,384 | 0 | 10 | 9 | 0 | 7 | 0 | 5 | 2 | 1 | 0 |
| Erreur humaine: | | | | | | | | | | | | |
| Indéterminé | 196 | 1,902,676 | 0 | 0 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 0 |
| Pendant le sommeil | 238 | 1,710,232 | 1 | 16 | 6 | 2 | 0 | 0 | 9 | 3 | 6 | 0 |
| Influence soupçonnée de l'alcool, de drogues ou de médicaments | 184 | 1,205,583 | 1 | 21 | 4 | 2 | 0 | 0 | 16 | 6 | 4 | 0 |
| Divers | 2,411 | 12,918,182 | 5 | 67 | 45 | 14 | 17 | 0 | 27 | 20 | 2 | 0 |
| Accidents de véhicule | 321 | 2,837,969 | 0 | 21 | 3 | 0 | 0 | 0 | 20 | 3 | 4 | 0 |
| Divers | 16,144 | 249,814,382 | 267 | 166 | 63 | 21 | 122 | 4 | 66 | 32 | 28 | 0 |
| Indéterminé | 3,384 | 25,584,517 | 230 | 32 | 21 | 4 | 1 | 1 | 7 | 0 | 0 | 0 |
| TOTAL | 79,263 | 905,422,511 | 1,208 | 1,174 | 517 | 143 | 798 | 8 | 393 | 197 | 96 | 0 |

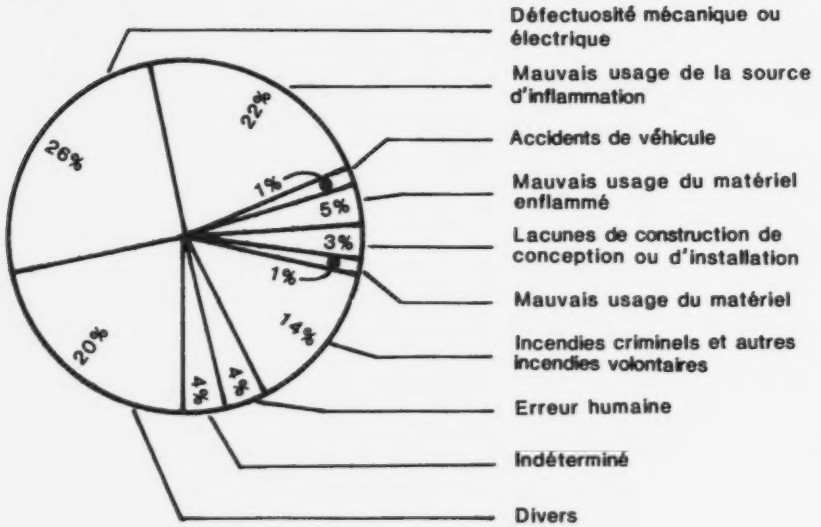
*
S.P. - Sapeurs-pompiers
H - Hommes
F - Femmes
E - Enfants

# ACTE OU OMISSION CAUSANT LES INCENDIES

## 1981

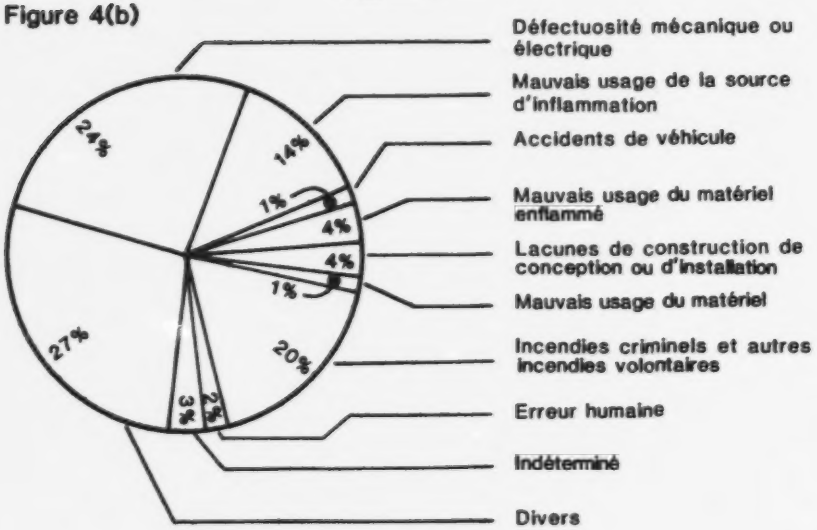
### NOMBRE D'INCENDIES

**Figure 4(a)**




### PERTES

**Figure 4(b)**



**PERTES DE $500,000 ET PLUS**
**1981**

| Date | Lieu de l'incendie | Classification par genre de destination des bâtiments | Cause - connue ou soupçonnée | Pertes $ | Décès | Blessés |
|---|---|---|---|---|---|---|
| **ALBERTA** | | | | | | |
| 81-01-01 | Fort McMurray | Atelier d'entretien et de réparation | Incendie criminel | 1,156,610 | 0 | 1 |
| 81-01-08 | Conté 14 | Grange | Court-circuit | 576,589 | 0 | 0 |
| 81-01-21 | I.D. 18 | Scierie | Défectuosité partielle | 625,000 | 0 | 0 |
| 81-02-10 | Banff | Terminus d'autobus | Défectuosité électrique ou mécanique | 853,500 | 0 | 0 |
| 81-03-11 | Calgary | Entrepôt | Soudage et découpage | 710,603 | 0 | 0 |
| 81-03-15 | Leduc | Magasin de vêtements sportifs | Inconnue | 698,148 | 0 | 0 |
| 81-03-23 | County 31 | Scierie | Court-circuit | 628,291 | 0 | 0 |
| 81-03-28 | Calgary | Magasin populaire | Incendie criminel soupçonné | 1,510,756 | 0 | 0 |
| 81-04-20 | Wetaskiwin | Entrepôt | Inconnue | 1,549,683 | 0 | 0 |
| 81-04-30 | Calgary | Établissement de commerce | Articles de fumeur | 1,839,190 | 0 | 0 |
| 81-05-03 | Edmonton | Boîte de nuit | Incendie criminel soupçonné | 621,067 | 0 | 0 |
| 81-05-27 | Ft. Saskatchewan | Usine de produits chimiques | Inconnue | 7,000,000 | 0 | 5 |
| 81-06-27 | Innisfail | Boîte de nuit | Inconnue | 859,286 | 0 | 0 |

| Date | Lieu de l'incendie | Classification par genre de destination des bâtiments | Cause - connue ou soupçonnée | Pertes $ | Décès | Blessés |
|---|---|---|---|---|---|---|
| 81-07-19 | I.D. 24 | École secondaire | Incendie criminel soupçonné | 5,000,000 | 0 | 0 |
| 81-07-25 | Lethbridge | Entrepôt de meubles | Inconnue | 1,093,965 | 0 | 0 |
| 81-07-31 | M.D. 90 | Entrepôt de vêtement | Incendie criminel soupçonné | 5,011,285 | 0 | 0 |
| 81-08-05 | Fairview | Entrepôt en vrac de céréales | Incendie criminel soupçonné | 715,000 | 0 | 0 |
| 81-08-18 | County #1 | Établissement de menuiserie | Inconnue | 885,000 | 0 | 1 |
| 81-08-18 | County #1 | Manufacture d'ameublement | Erreur humaine | 635,000 | 0 | 0 |
| 81-09-01 | St. Paul | Moulin de céréales | Inconnue | 900,474 | 0 | 0 |
| 81-09-11 | County #4 | Raffinerie de pétrole | Soudage et découpage | 4,000,000 | 0 | 0 |
| 81-09-15 | Calgary | Restaurant | Incendie criminel soupçonné | 511,326 | 0 | 0 |
| 81-09-17 | Edmonton | Logement | Inconnue | 1,123,200 | 1 | 3 |
| 81-10-15 | I.D. 18 | Installation de chauffage | Lacune d'installation | 800,000 | 0 | 0 |
| 81-10-15 | High Prairie | Immeuble en construction | Inconnue | 749,225 | 0 | 0 |
| 81-10-27 | Veteran | Entrepôt en vrac de céréales | Court-circuit | 1,736,039 | 0 | 1 |
| 81-10-30 | County 20 | Réseau de distribution de gaz | Défectuosité partielle | 968,000 | 0 | 1 |

| Date | Lieu de l'incendie | Classification par genre de destination des bâtiments | Cause - connue ou soupçonnée | Pertes $ | Décès | Blessés |
|---|---|---|---|---|---|---|
| 81-11-01 | Edmonton | Restaurant | Incendie criminel soupçonné | 1,004,593 | 0 | 0 |
| 81-11-02 | Calgary | Supermarché | Combustible trop près de la chaleur | 622,188 | 0 | 0 |
| 81-11-17 | Grande Prairie | Manufacture de papier | Incendie criminel | 752,100 | 0 | 0 |
| 81-12-05 | Calgary | Magasin d'ameublement | Erreur humaine | 521,807 | 0 | 0 |
| 81-12-09 | County 17 | Entrepôt en vrac de céréales | Défectuosité électrique ou mécanique | 801,620 | 0 | 0 |
| 81-12-25 | High Prairie | Hôtel | Défectuosité partielle | 500,000 | 0 | 0 |
| **NOTE:** Deux feux non inclus dans le Rapport annuel 1980 sont: | | | | | | |
| 80-02-13 | Edmonton | Église | Incendie criminel | 648,240 | 0 | 0 |
| 80-02-14 | Calgary | Immeuble en construction | Défectuosité partielle | 914,371 | 0 | 0 |
| **COLOMBIE-BRITANNIQUE** | | | | | | |
| 81-01-06 | Fort St. John | Établissement de commerce | Incendie criminel soupçonné | 778,000 | 0 | 0 |
| 81-01-31 | Victoria | Hôtel | Incendie criminel | 500,000 | 0 | 0 |
| 81-02-01 | Vancouver | Appartement immeuble | Incendie criminel | 1,000,000 | 0 | 0 |
| 81-02-05 | Rossland | École | Incendie criminel soupçonné | 620,805 | 0 | 0 |

| Date | Lieu de l'incendie | Classification par genre de destination des bâtiments | Cause - connue ou soupçonnée | Pertes $ | Décès | Blessés |
|---|---|---|---|---|---|---|
| 81-02-18 | Victoria | Centre de matériaux pour construction | Mauvais usage d'une source d'allumage | 1,017,000 | 0 | 0 |
| 81-03-04 | Vancouver | Église | Incendie criminel soupçonné | 700,000 | 0 | 0 |
| 81-03-17 | Lillooet | Hôtel | Court-circuit | 600,000 | 0 | 0 |
| 81-03-22 | Richmond | Bureaux commerciaux | Incendie criminel soupçonné | 1,302,000 | 0 | 0 |
| 81-03-28 | Prince George | Camion industriel | Soudage et découpage | 560,000 | 0 | 0 |
| 81-04-26 | Langley | Moulin de bois | Inconnue | 1,243,400 | 0 | 0 |
| 81-05-08 | Vancouver | Appartement immeuble | Incendie criminel soupçonné | 750,000 | 0 | 0 |
| 81-06-02 | Matsqui | Pénitencier | Vandalisme | 10,000,000 | 0 | 0 |
| 81-06-28 | Prince Rupert County | Manufacture | Inconnue | 2,000,000 | 0 | 0 |
| 81-07-03 | Squamish | Port de plaisance | Articles de fumeur | 700,000 | 0 | 0 |
| 81-07-09 | Prince George | Appartement immeuble | Inconnue | 2,300,000 | 0 | 0 |
| 81-07-13 | Port Alice | Établissement de commerce | Inconnue | 1,000,000 | 0 | 0 |
| 81-08-24 | Kelowna | Immeuble en construction | Incendie criminel | 2,000,000 | 0 | 0 |
| 81-08-24 | Pitt Meadows | Scierie | Soudage et découpage | 500,000 | 0 | 0 |
| 81-09-03 | Vancouver | Immeuble en construction | Incendie criminel soupçonné | 500,000 | 0 | 0 |

| Date | Lieu de l'incendie | Classification par genre de destination des bâtiments | Cause - connue ou soupçonnée | Pertes $ | Décès | Blessés |
|---|---|---|---|---|---|---|
| 81-09-06 | Ladysmith | Locaux commerciaux | Incendie criminel soupçonné | 500,000 | 0 | 0 |
| 81-10-14 | Nanaimo County | Hôtel | Incendie criminel soupçonné | 500,000 | 0 | 0 |
| 81-10-30 | Burnaby | Usine de produits électrique | Inconnue | 900,000 | 0 | 0 |
| 81-11-12 | Coldstream | Usine de fibre de verre | Inconnue | 700,000 | 0 | 0 |
| 81-11-19 | Cache Creek | Magasin en rayon | Défectuosité partielle | 3,000,000 | 0 | 0 |
| 81-12-03 | Kelowna | Entrepôt de produits agricoles | Inconnue | 585,000 | 0 | 0 |
| 81-12-08 | North Saanich | Gare maritime | Soudage et découpage | | | |
| 81-12-22 | Cranbrook | Restaurant | Incendie criminel soupçonné | 750,000 | 0 | 0 |

**ÎLE-DU-PRINCE-ÉDOUARD**

Aucun incendie dont les pertes dépassaient $500,000 n'a été signalé en 1981.

**MANITOBA**

| | | | | | | |
|---|---|---|---|---|---|---|
| 81-01-08 | Falcon Lake | Moteur | Inconnue | 510,000 | 0 | 0 |
| 81-02-11 | Winnipeg | Cour à bois | Court-circuit électrique | 695,753 | 0 | 0 |
| 81-06-05 | Portage La Prairie | Usine de transformation d'aliments | Incendie criminel | 750,000 | 0 | 0 |

| Date | Lieu de l'incendie | Classification par genre de destination des bâtiments | Cause - connue ou soupçonnée | Pertes $ | Décès | Blessés |
|---|---|---|---|---|---|---|
| 81-06-28 | Winnipeg | Appartement | Incendie criminel | 605,333 | 0 | 2 |
| 81-08-01 | Brandon | Entrepôts pour bâteaux | Incendie criminel | 800,000 | 0 | 0 |
| 81-09-08 | Sandy Bay I.R. | École | Imperfection de la construction | 1,750,000 | 0 | 0 |
| 81-10-01 | Gillam | Réseaux de distribution d'énergie électrique | Défectuosité mécanique ou électrique | 500,000 | 0 | 0 |
| 81-12-16 | Birtle R.M. | Entrepôt en vrac de céréales | Soudage et découpage | 710,000 | 0 | 0 |
| 81-12-28 | Winnipeg | Supermarché | Inconnue | 561,159 | 0 | 0 |
| 81-12-28 | Somerset | Église | Inconnue | 617,000 | 0 | 0 |
| **NOUVEAU-BRUNSWICK** | | | | | | |
| 81-07-28 | Saint John | Église | Inconnue | 649,781 | 0 | 0 |
| **NOUVELLE-ÉCOSSE** | | | | | | |
| 81-05-16 | Pictou | Établissement de commerce | Incendie criminel soupçonné | 650,000 | 0 | 0 |
| 81-06-08 | Yarmouth | Établissement villégiature | Électricité | 918,000 | 0 | 0 |
| 81-08-01 | Mink Cove | Conserverie de poisson | Inconnue | 671,507 | 0 | 0 |

| Date | Lieu de l'incendie | Classification par genre de destination des bâtiments | Cause - connue ou soupçonnée | Pertes $ | Décès | Blessés |
|---|---|---|---|---|---|---|
| 81-09-06 | Bible Hill | Centre sportif | Incendie criminel soupçonné | 1,326,500 | 0 | 0 |
| 81-09-11 | Yarmouth | Établissement de commerce | Incendie criminel soupçonné | 644,000 | 0 | 0 |
| 81-09-26 | Riverport | Conserverie de poisson | Électricité | 11,778,156 | 0 | 0 |
| 81-11-27 | Guysborough | Établissement de commerce | Électricité | 693,933 | 0 | 0 |
| 81-12-13 | Halifax | Établissement de commerce | Défectuosité partielle | 555,180 | 0 | 17 |
| 81-12-23 | Berwick | Usine de transformation d'aliments | Électricité | 3,478,201 | 0 | 0 |
| 82-01-15 | Glace Bay | Établissement de commerce | Inconnue | 767,000 | 0 | 0 |
| 82-03-05 | Amherst | Établissement de commerce | Incendie criminel soupçonné | 605,000 | 0 | 0 |
| **ONTARIO** | | | | | | |
| 81-01-04 | London | Hôtel/Motel | Incendie criminel | 1,700,000 | 0 | 0 |
| 81-01-17 | North York | Hôtel/Motel | Articles de fumeur | 2,000,000 | 6 | 66 |
| 81-01-25 | Gananoque | Supermarché | Inconnue | 800,000 | 0 | 3 |
| 81-02-07 | Nepean | Logement | Défectuosité électrique ou mécanique | 600,000 | 0 | 0 |
| 81-02-12 | Hamilton | Restaurant | Incendie criminel | 500,000 | 0 | 3 |

| Date | Lieu de l'incendie | Classification par genre de destination des bâtiments | Cause - connue ou soupçonnée | Pertes $ | Décès | Blessés |
|---|---|---|---|---|---|---|
| 81-02-14 | North York | Restaurant | Défectuosité électrique ou mécanique | 550,000 | 0 | 0 |
| 81-02-26 | Non identifié | Jetée et quai | Soudage et découpage | 1,500,000 | 0 | 0 |
| 82-02-27 | Vespra | Grange | Court-circuit | 2,447,744 | 0 | 0 |
| 81-03-07 | Hamilton | Église | Incendie criminel | 624,999 | 0 | 2 |
| 81-04-04 | Lincoln | Établissement de commerce | Incendie criminel | 545,000 | 0 | 0 |
| 81-04-11 | South Himsworth | Concessionnaire de véhicules à moteur | Inconnue | 500,000 | 0 | 0 |
| 81-04-12 | Timmins | Magasin d'ameublement | Erreur humaine | 500,000 | 0 | 4 |
| 81-05-20 | Kitchener | Immeuble en construction | Inconnue | 752,000 | 0 | 0 |
| 81-05-25 | Thunder Bay | Entrepôt en vrac de céréales | Entreposage non approprié | 7,200,000 | 0 | 1 |
| 81-06-17 | Toronto | Immeubles en rénovation | Inconnue | 1,500,000 | 0 | 6 |
| 81-06-25 | Kingston | Hangars pour avions | Erreur humaine | 600,000 | 0 | 4 |
| 81-06-27 | Elliot Lake | Centre de matériaux pour construction | Incendie criminel | 610,000 | 0 | 1 |
| 81-07-08 | Romney R.M. | Usine de produits de papier et du bois | Articles de fumeur | 6,000,000 | 0 | 0 |
| 81-07-29 | Alliston | Manufacture de matières plastiques | Inconnue | 2,000,000 | 0 | 0 |

| Date | Lieu de l'incendie | Classification par genre de destination des bâtiments | Cause - connue ou soupçonnée | Pertes $ | Décès | Blessés |
|---|---|---|---|---|---|---|
| 81-08-01 | Hamilton | Installation chauffage | Lacunes de conception ou d'installation | 4,240,000 | 0 | 2 |
| 81-08-06 | Timmins | Immeubles innocupés | Incendie criminel | 1,250,000 | 0 | 0 |
| 81-08-14 | London | Usine de bois et de liège | Lacunes de conception ou d'installation | 600,000 | 0 | 0 |
| 81-08-20 | Tuckersmith Township | Foyers pour personnes agées | Déversement de carburant | 500,000 | 0 | 0 |
| 81-09-16 | London | Centre de matériaux pour construction | Inconnue | 1,150,000 | 0 | 0 |
| 81-09-20 | Howland Twp. | Scierie | Incendie criminel | 500,000 | 0 | 0 |
| 81-09-21 | Hamilton | Atelier des machines | Défectuosité partielle | 1,500,000 | 0 | 0 |
| 81-10-03 | Nipissing Dist. | Église | Incendie criminel | 602,000 | 0 | 0 |
| 81-10-14 | Bexley Twp. | Scierie | Inconnue | 1,700,000 | 0 | 0 |
| 81-10-20 | Waterloo | Atelier des machines | Inconnue | 1,000,000 | 0 | 1 |
| 81-10-26 | Huron Twp. | Laitière | Mauvais usage d'une source d'allumage | 1,500,000 | 0 | 0 |
| 81-10-30 | Terrace Bay Twp. | Usine de produits de papier et du bois | Défectuosité électrique ou mécanique | 15,000,000 | 0 | 0 |
| 81-11-08 | Gwillimbury | Magasin d'ameublement | Inconnue | 550,000 | 0 | 0 |
| 81-11-10 | Dundas | Manufacture d'équipement sportif | Entreposage non approprié | 500,000 | 0 | 0 |

| Date | Lieu de l'incendie | Classification par genre de destination des bâtiments | Cause - connue ou soupçonnée | Pertes $ | Décès | Blessés |
|---|---|---|---|---|---|---|
| 81-11-09 | Kingsville | Magasin de vêtement et de soulier | Inconnue | 1,250,000 | 0 | 4 |
| 81-11-24 | Newmarket | École | Incendie criminel | 2,000,000 | 0 | 0 |
| 81-11-27 | Lincoln | Manufacture de canne en bois | Incendie criminel | 500,000 | 0 | 0 |
| 81-12-10 | West Carleton Twp. | Hangars pour avions | Court-circuit | 850,000 | 0 | 0 |
| 81-12-13 | Almonte | Manufacture de lainages | Incendie criminel | 850,000 | 0 | 3 |
| 81-12-16 | Thunder Bay | Boulodrome | Inconnue | 800,000 | 0 | 0 |
| 81-12-24 | Toronto | Quincaillerie | Lacunes de conception ou d'installation | 965,000 | 0 | 8 |
| 81-12-29 | Aurora | Concessionnaire de véhicules à moteur | Incendie criminel | 700,000 | 0 | 0 |

**QUÉBEC**

Le Québec a signalé 60 incendies dont les pertes étaient évaluées à $500,000 ou plus. Les incendies, dans cette catégorie, ont accusé une perte totale de $70,709,770 et ont occasionné 7 décés et 30 blessés.

**SASKATCHEWAN**

| | | | | | | |
|---|---|---|---|---|---|---|
| 81-03-03 | Moose Jaw | Magasin populaire | Inconue | 1,462,000 | 0 | 0 |
| 81-08-22 | Regina | Restaurant | Incendie criminel | 750,000 | 0 | 0 |
| 81-08-28 | Kyle | Entrepôt en vrac de céréales | Inconnue | 2,208,112 | 0 | 0 |
| 81-09-15 | Saskatoon | Restaurant | Inconnue | 1,000,450 | 0 | 0 |
| 81-11-05 | Saskatoon | Entrepôt | Inconnue | 700,000 | 0 | 0 |

| Date | Lieu de l'incendie | Classification par genre de destination des bâtiments | Cause - connue ou soupçonnée | Pertes $ | Décès | Blessés |
|---|---|---|---|---|---|---|
| **TERRE-NEUVE** | | | | | | |
| 81-09-27 | Carbonear | Conserverie de poisson | Inconnue | 640,000 | 0 | 0 |
| **TERRITOIRE DU YUKON** | | | | | | |
| 81-01-22 | Watson Lake | Hôtel | Défectuosité mécanique ou d'installation | 1,650,000 | 0 | 0 |
| 81-12-18 | Old Crow | École | Inconnue | 2,000,000 | 0 | 0 |
| **TERRITOIRES DU NORD-OUEST** | | | | | | |
| 81-03-21 | Resolute Bay | Établissement de commerce | Erreur humaine | 405,000 | 0 | 0 |
| 81-06- | Inhabité | Hélicoptère | Trop près d'un feu de fôret | 500,000 | 0 | 0 |
| 81-08-21 | Inhabité | Appareil de forage | Soudage et découpage | 2,500,000 | 0 | 0 |

## APPENDICE

## PRÉVÔTS ET COMMISSAIRES PROVINCIAUX

Mr. J.N. Cardoulis
Provincial Fire Commissioner
Department of Justice
Pleasantville Fire Station
St. John's, Newfoundland
A1C 5T7

Mr. C.R. Kennedy
Provincial Fire Marshal
Department of Municipal Affairs
P.O. Box 2000
Charlottetown, P.E.I.
C1A 7N8

Mr. C. Findlay
Provincial Fire Marshal
Department of Labour
5151 Terminal Road
P.O. Box 697
Halifax, N.S.
B3J 2T8

Mr. G. Elliott
Provincial Fire Marshal
Department of Labour
470 York Street
P.O. Box 6000
Fredericton, N.B.
E3B 5H1

M. G. Lamothe
Directeur général de la prévention
des incendies
Ministère des Affaires municipales
Édifice Cook-Chauveau
20, avenue Chauveau
Québec (Québec)
G1R 4J3

Mr. J. Bateman
Provincial Fire Marshal
Ministry of the Solicitor General
590 Keele Street
Toronto, Ontario
M6N 3E3

Mr. M.G.G. Fisher
Provincial Fire Commissioner
Department of Labour
1150 Rose Street
Regina, Saskatchewan
S4R 1Z6

Mr. W.D. MacKay
Provincial Fire Commissioner
Department of Manpower and Labour
701 IBM Building
Edmonton, Alberta
T5K 0G2

Mr. G.R. Anderson
Provincial Fire Commissioner
Ministry of the Attorney-General
2780 East Broadway
Vancouver, B.C.
V5M 1Y8

Mr. L. McPhee
Fire Marshal, Northwest Territories
Fire Prevention Service
Government of the Northwest Territories
Yellowknife, N.W.T.
X0E 1H9

Mr. L.R. Hipperson
Fire Marshal, Yukon Territory
Government of the Yukon
P.O. Box 2703
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Mr. A. Thorimbert
Provincial Fire Commissioner
Department of Manpower & Labour
510 Norquay Building
Winnipeg, Manitoba
R3C 0P8

## GOUVERNEMENT FÉDÉRAL

Mr. G.A. Hope
Fire Commissioner of Canada
Public Works Canada
Ottawa, Ontario
K1A 0M2

Lt. Col. G.W.L. MacLean
Canadian Forces Fire Marshal
Department of National Defence
101 Colonel By Drive
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K1A 0K2